

JOSEPH P. CARRARA & SONS, INC.**LETTER OF TRANSMITTAL**

2464 CASE STREET
MIDDLEBURY, VERMONT 05753

TEL (802) 388-6363
FAX (802) 388-9010

TO: **T. Buck Construction**

**249 Merrow Road
Auburn, Maine 04210**

207-783-6223 x205

DATE :	February 12, 2014	JOB NO. :	23411-013
ATTENTION :	Mr. Brian Emmons bemmons@tbuckcon.net		
RE :	Sand Hill Bridge No. 13 VT 125 over Middlebury River Middlebury, VT Project No. RS 0174 (8)		
Transmittal #13		Precast Concrete	

WE ARE SENDING YOU ☒ Attached ☐ Under separate cover via Email the following items:

☒ Shop Drawings ☐ Prints ☐ Plans Samples Specifications

☐ Copy of Letter ☐ Change Order ☐ Other: _____

COPIES	DATE	NO.	DESCRIPTION
1	2/12/14	as noted	J. P. Carrara & Sons' Precast Framing and Individual Piece Detail Drawings for NEXT 28D Beams:
			"For Approval" Framing Drawings: FI & FI.1
			"For Approval" Piece Detail Drawings: NBI, NBI.1, NB2, NB2.1, NB3, NB3.1, NB4, NB4.1, NB5, NB5.1, NBM1, & NBM2
1	2/12/14	-	JPC Submittal Notes

THESE ARE TRANSMITTED as checked below :

☒ For approval ☐ Approved as submitted ☐ Resubmit _____ copies for approval

☐ For your use ☐ Approved as noted ☐ Submit _____ copies for distribution

☐ As requested ☐ Returned for corrections ☐ Return _____ corrected prints

☐ For review and comment ☐ _____

☐ FOR BIDS DUE _____ 20 _____ ☐ PRINTS RETURNED AFTER LOAN TO US

REMARKS **Brian,**

Attached please find our revised NEXT Beam shop drawings which are updated and re-submitted for approval.

Also attached are submittal notes which address the redline comments made on the returned drawings.

Please note that many of the comments ask JPC to verify values shown in the drawings. JPC

has re-checked the dimensions that are flagged and has confirmed them. JPC includes

the attached notes to acknowledge each mark up comment made by the reviewer.

Please call with any questions at 802-388-6363.

COPY TO :

SIGNED :


Michael Weigand

If enclosures are not as noted, please notify us at once.

Submittal Notes

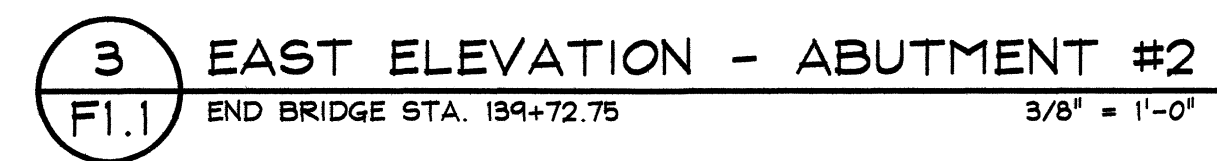
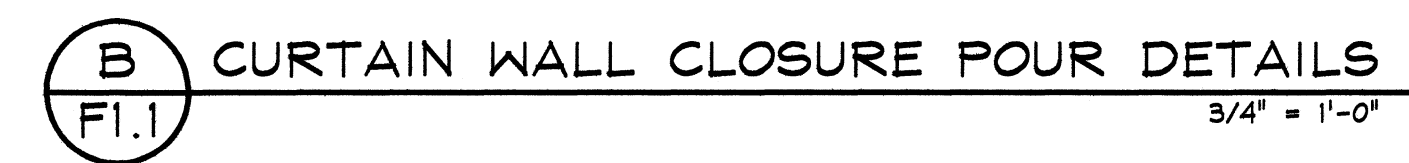
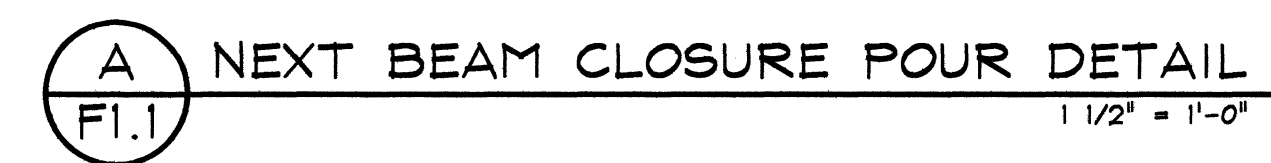
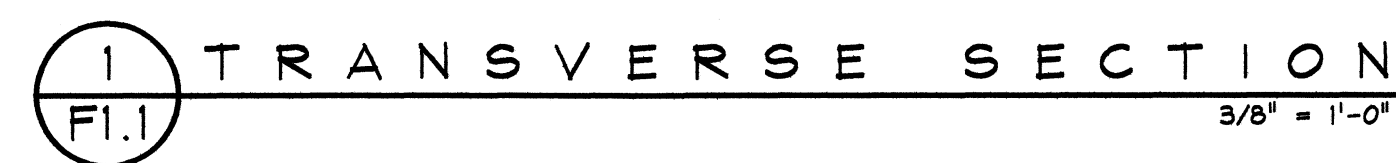
To: T. Buck Construction**From:** Mike Weigand**Fax:****Pages:** 2**Phone:****Date:** 2/12/14**Re:** Sand Hill Bridge, Middlebury, VT**Attn:** Brian Emmons☐ **Urgent**☒ **For Review**☒ **Please Comment**☐ **Please Reply**☒ **For Your Use**

J. P. Carrara & Sons' Response to Review Notes for NEXT 28D Beams:

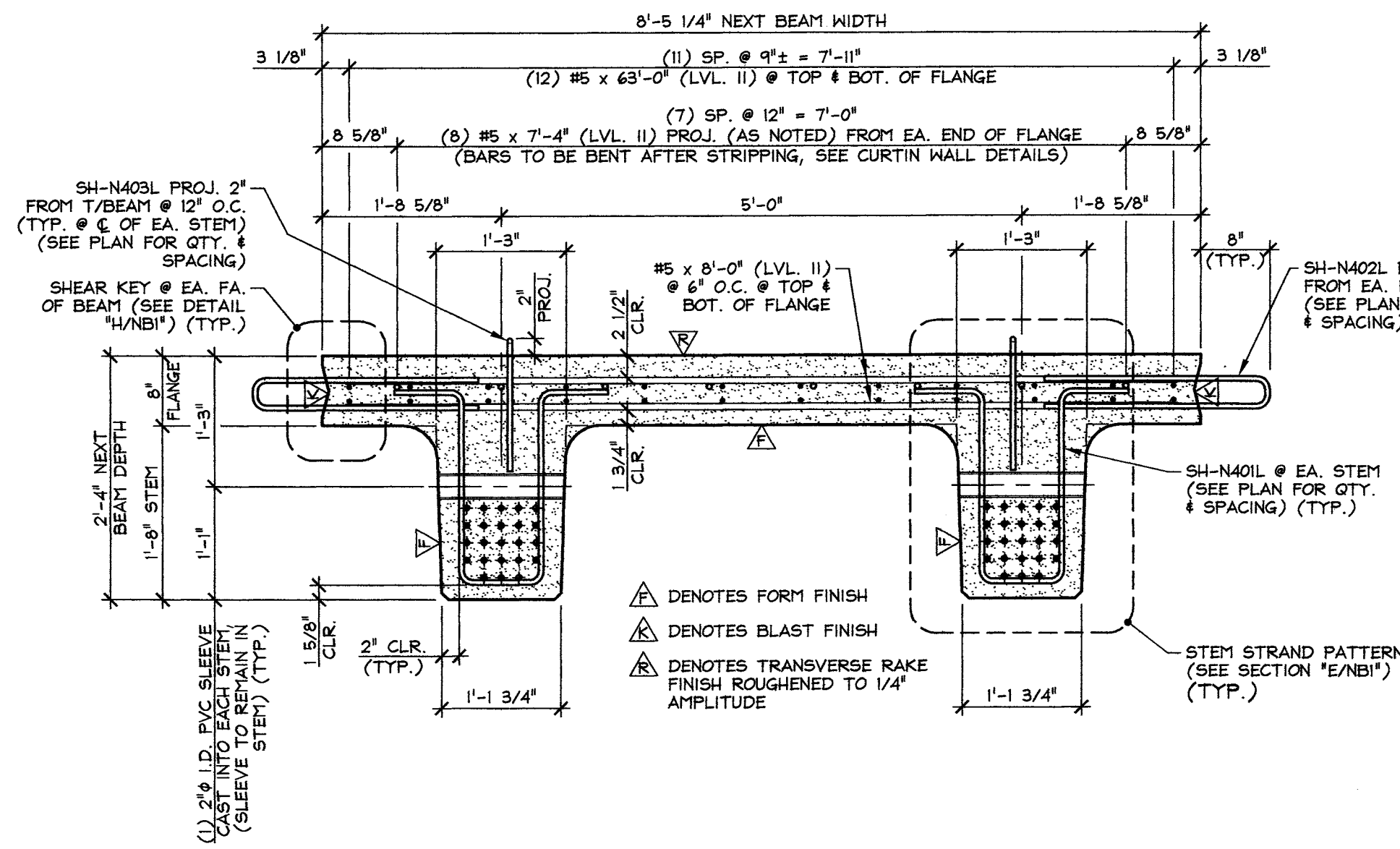
1. Drawing 'F1': J. P. Carrara & Sons (JPC) includes General Notes for NEXT Beams on drawing 'F1' to address all 'typical' notes for the beams, including mix design, materials, tensioning, curing, etc.
 2. Drawing 'F1.1': JPC includes a note on drawing F1 and also includes a finish code "K" on sections A/NB1 and B/NB1 to indicate that the shear keys shall be sand-blasted. Projecting reinforcement shall be covered and protected during this process.
 3. Drawing 'NB1':
 - a. Projecting bars shall be bent after beams are removed from the casting bed. The epoxy coating shall be inspected and touched up as required after the bars are bent. The touch-up kit is furnished to JPC by the supplier of the Level II dual-coated rebar.
 - b. Keyways are sandblasted as noted by finish code "K". Projecting bars are protected during this process.
 - c. The projecting bars at non-mark ends are 1" longer than at mark ends due to the different geometry of the curtain walls at abutment 1 and abutment 2. This difference is a result of the different elevation of the beams at the two abutments which results in a 7.5% slope of the beams from end to end. The 2'-3" offset from the centerline of bearing to the 'begin bridge' and 'end bridge' locations (as per contract drawing sheet 50) are located by JPC in plan, therefore, when transposed to the sloped beam, there are different curtain wall geometries at each end.
 - d. The sleeves visible at the beam ends are 2" diameter PVC sleeves used to tie-down the beams during shipping.
-

4. Drawing 'NB1.1':
 - a. JPC details a uniform 7'4" bar length at the mark end and non-mark end in spite of the 1" difference in projection length in the interest of efficiency. Requiring fewer different bar types and lengths makes the fabrication, storage, and placement of this steel more straightforward.
 - b. The #5 x 8'11" transverse bars are placed as shown, tight to the bends of reinforcing bars and strands, and the ends of reinforcing bars, the layout and clear for which is specified and governs the layout of the transverse bars.
 - c. Curtain wall dimensions at both the mark end and the non-mark end are confirmed as per item 3c above.
5. Drawing 'NB2':
 - a. The bar length is confirmed as per item 3c above.
 - b. The waterline inserts are shifted to be centered 1'10" from the centerline of VT 125. The size, layout, and location are coordinated with T. Buck Construction.
6. Drawings 'NB2.1' & 'NB3.1' & 'NB5.1': #8 projecting bar layout is coordinated with the approach slab sleeve layout, JPC drawing sheet F9.
7. Drawings 'NB4' & 'NB5':
 - a. The bar length is confirmed as per item 3c above.
 - b. The NEXT beam flange clip dimensions are confirmed as per item 3c above.
 - c. JPC adds deck form hangers and inserts for forming the overlay, as per the request of T. Buck Construction.
 - d. The #5 projecting bars for the sidewalk vary in projection length over the length of the NEXT Beam, due to the varying thickness of the CIP sidewalk and are therefore called out on the reinforcing plan view in form, 2/NB5.

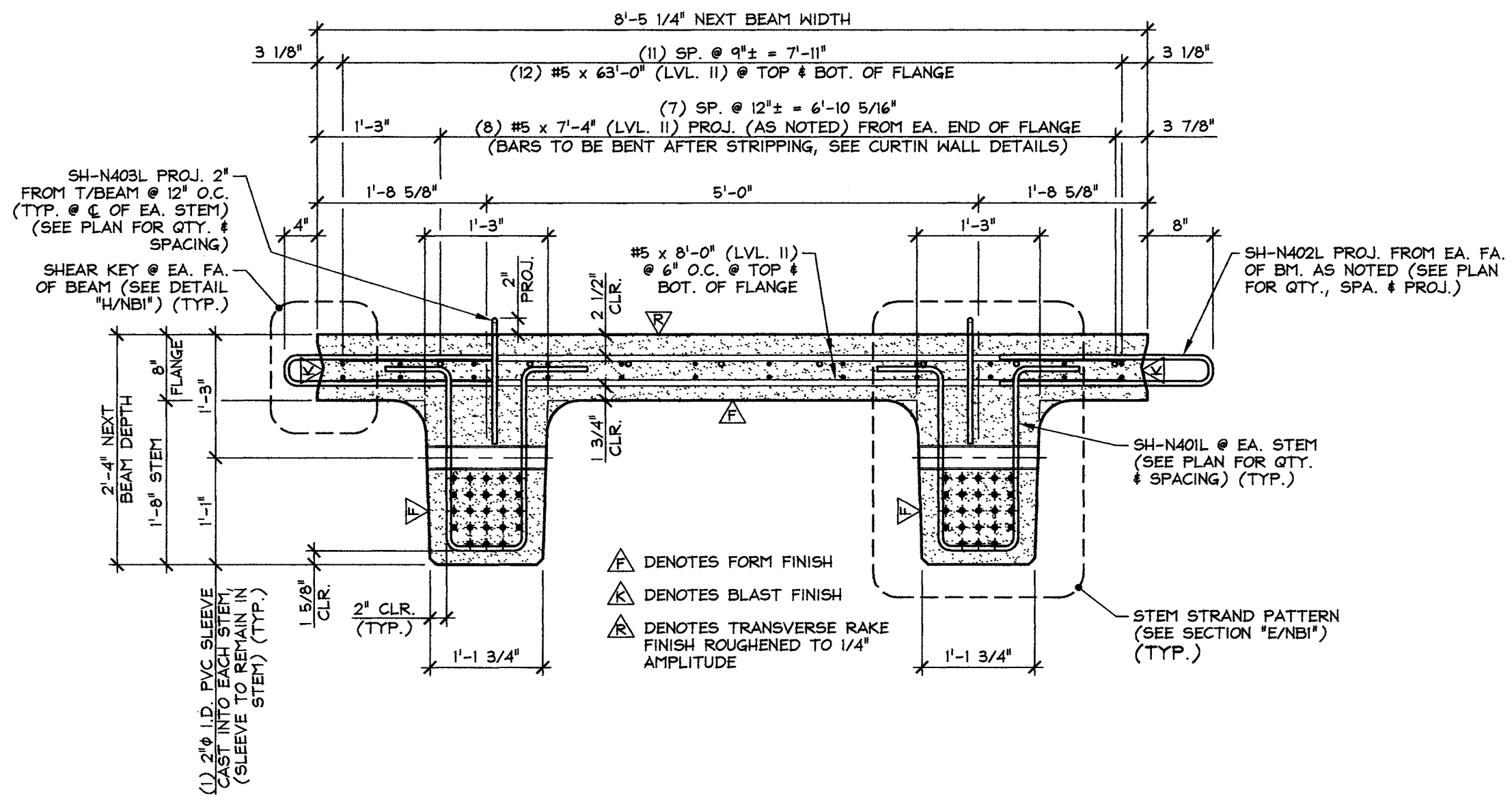
Please contact us at 802-388-6363 with any questions.



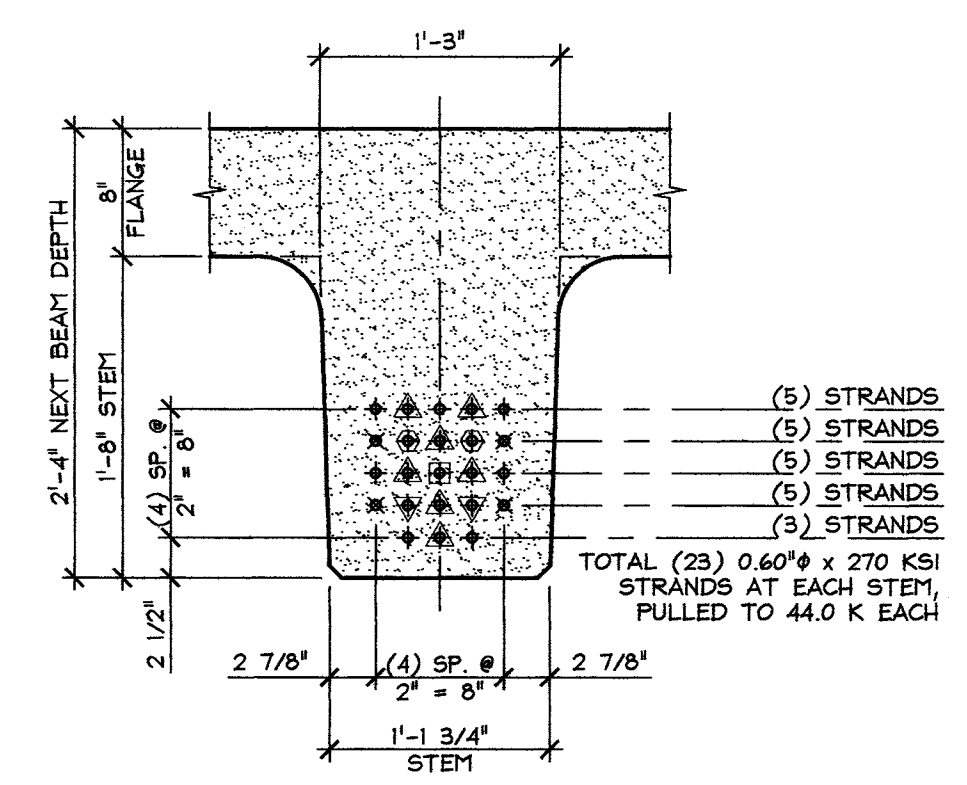
APPROVAL STAMP:	J.P. CARRARA & SONS INC. Precast & Prestress Manufacturer 2464 CASE ST., MIDDLEBURY, VERMONT 05753 Phone:(802)388-6361 Fax:(802)388-9010		T. BUCK CONSTRUCTION CONTRACTOR AUBURN, MAINE	
	STATE OF VERMONT AGENCY OF TRANSPORTATION COUNTY OF ADDISON		DATE: OCT. 9, 2013	
			SCALE: NOTED	
	TOWN OF MIDDLEBURY ROUTE NO. VT 125, EAST MIDDLEBURY GORGE BRIDGE NO.: 13 PROJECT NO.: RS 0174(B)		CHKD:	DFTM: B.L.
			JOB NO: 23411-013	
PRESTRESSED NEXT BEAM SECTIONS & ELEVATIONS		DWG. NO: F1.1		



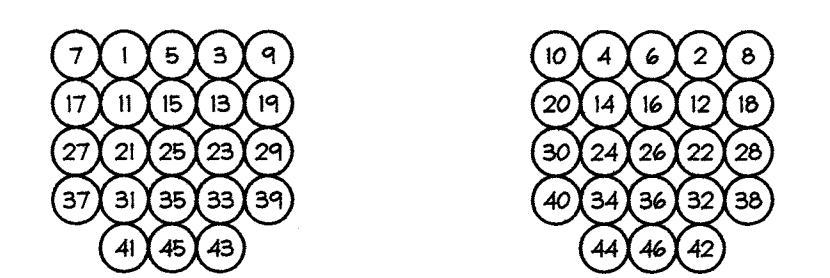
A DIMENSIONAL & REINFORCING SECTION
 NBI
 - BEAMS "SH-NB2" & "SH-NB3"
 3/4" = 1'-0"
 - SEE INDIVIDUAL BEAM DETAILS FOR WATER MAIN SUPPORT INSERTS.



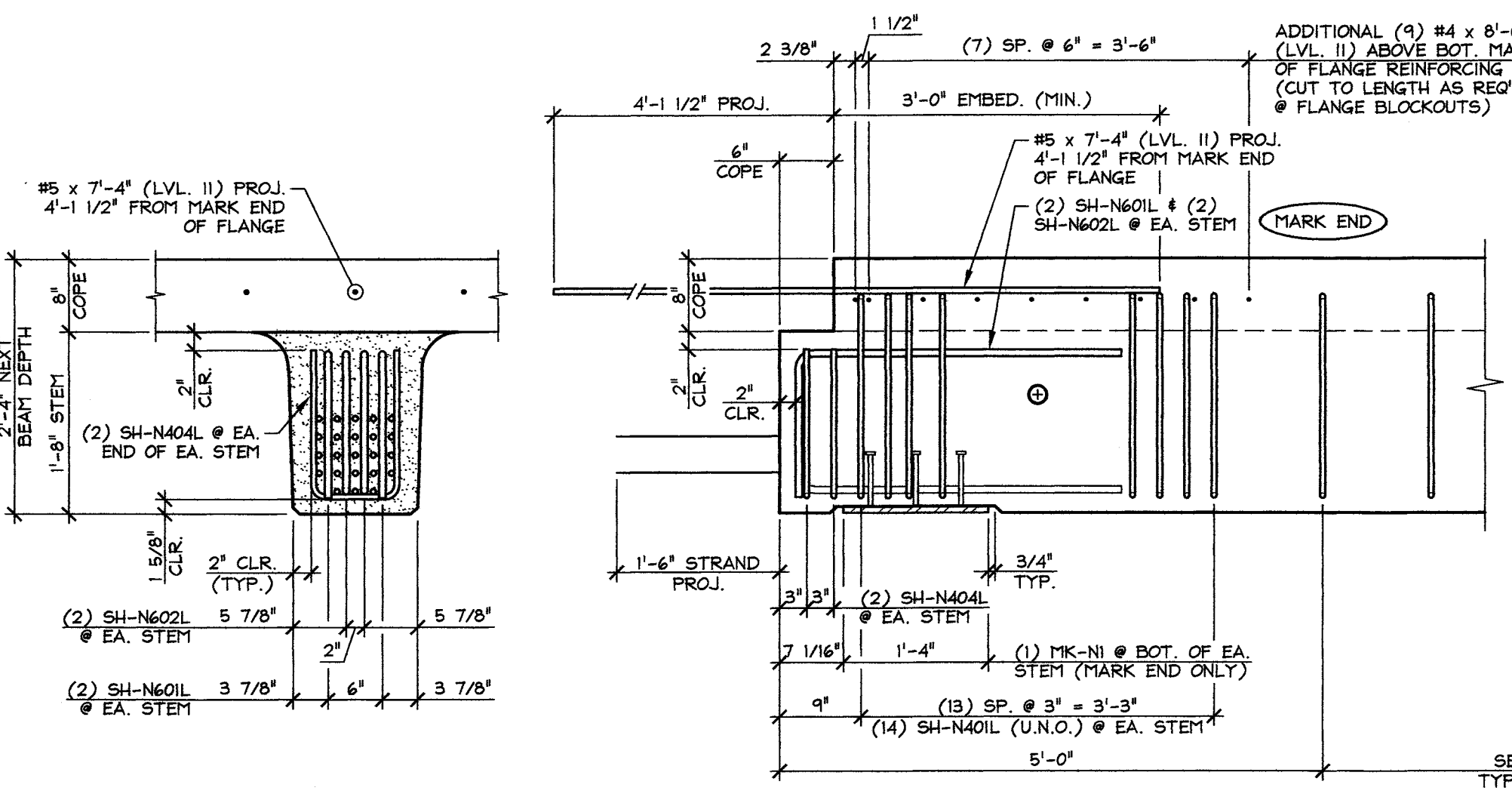
B DIMENSIONAL & REINFORCING SECTION
 NBI
 - BEAMS "SH-NB1" & "SH-NB4"
 3/4" = 1'-0"
 - SEE INDIVIDUAL BEAM DETAILS FOR ADDITIONAL COMPOSITE REINFORCING PROJECTING FROM TOP OF BEAM.



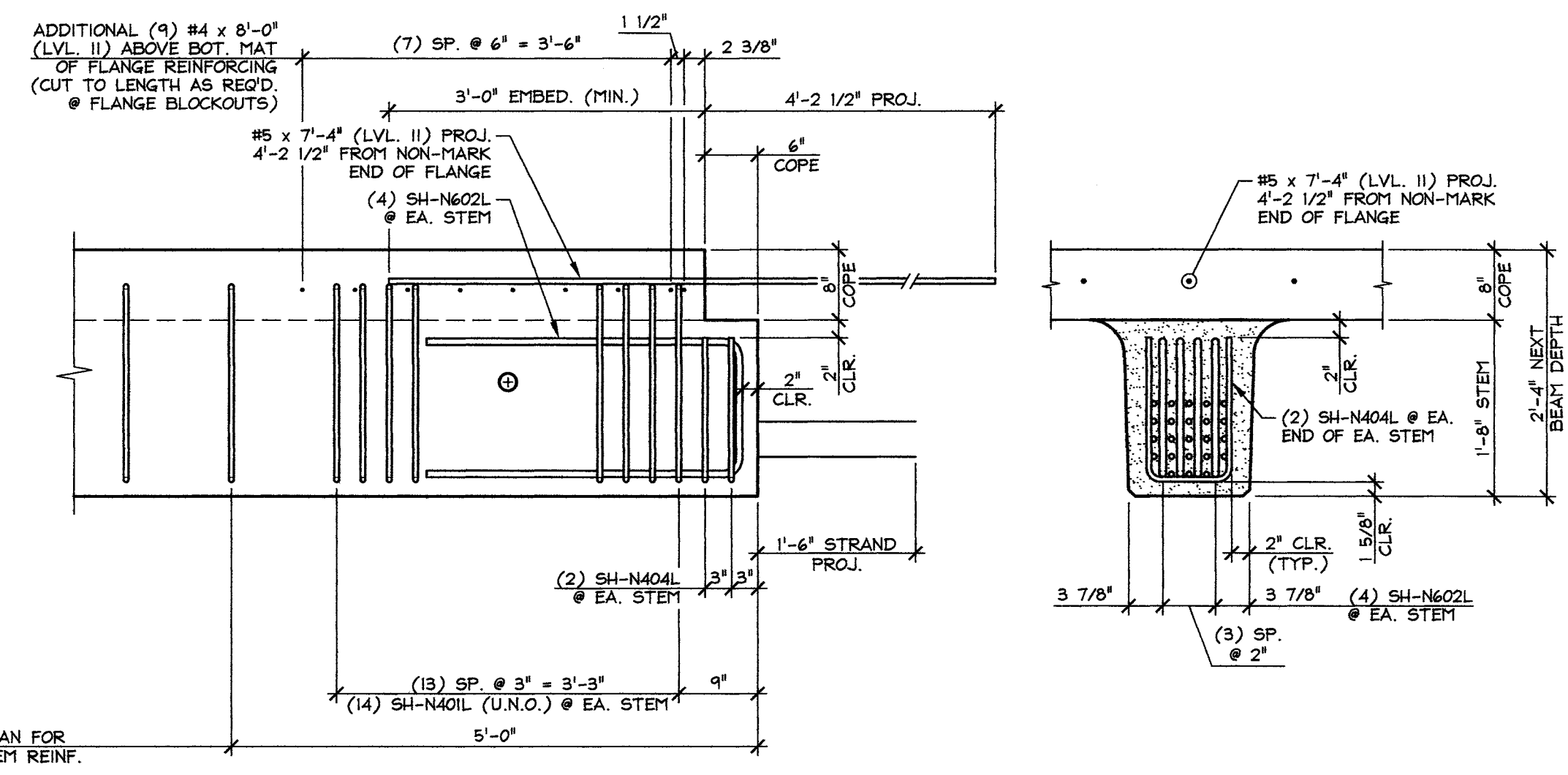
E STEM STRAND PATTERN
 NBI
 1" = 1'-0"



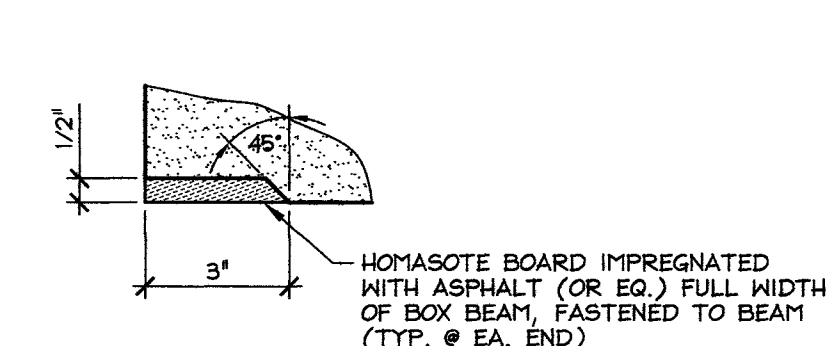
F DETENSIONING SCHEDULE
 NBI
 N.T.S.



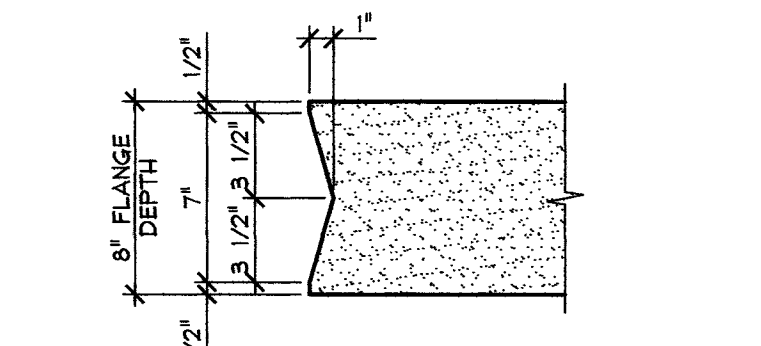
C END BLOCK STEM REINFORCING DETAILS
 NBI
 MARK END
 3/4" = 1'-0"
 - TYPICAL FLANGE REINFORCING NOT SHOWN FOR CLARITY.
 - SEE CURTAIN WALL DETAILS FOR PROJECTING BAR BENDING & PROJECTING STRAND BENDING ("A/NBI.1").



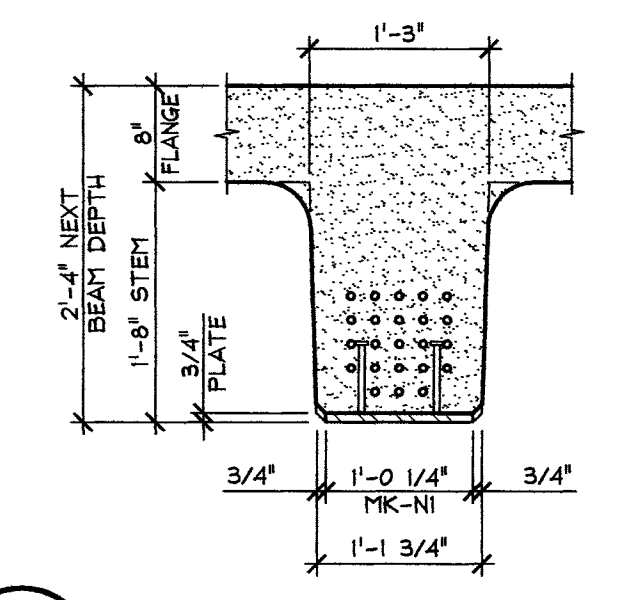
D END BLOCK STEM REINFORCING DETAILS
 NBI
 NON-MARK END
 3/4" = 1'-0"
 - TYPICAL FLANGE REINFORCING NOT SHOWN FOR CLARITY.
 - SEE CURTAIN WALL DETAILS FOR PROJECTING BAR BENDING & PROJECTING STRAND BENDING ("A/NBI.1").



G HOMASOTE DETAIL
 NBI
 3" = 1'-0"



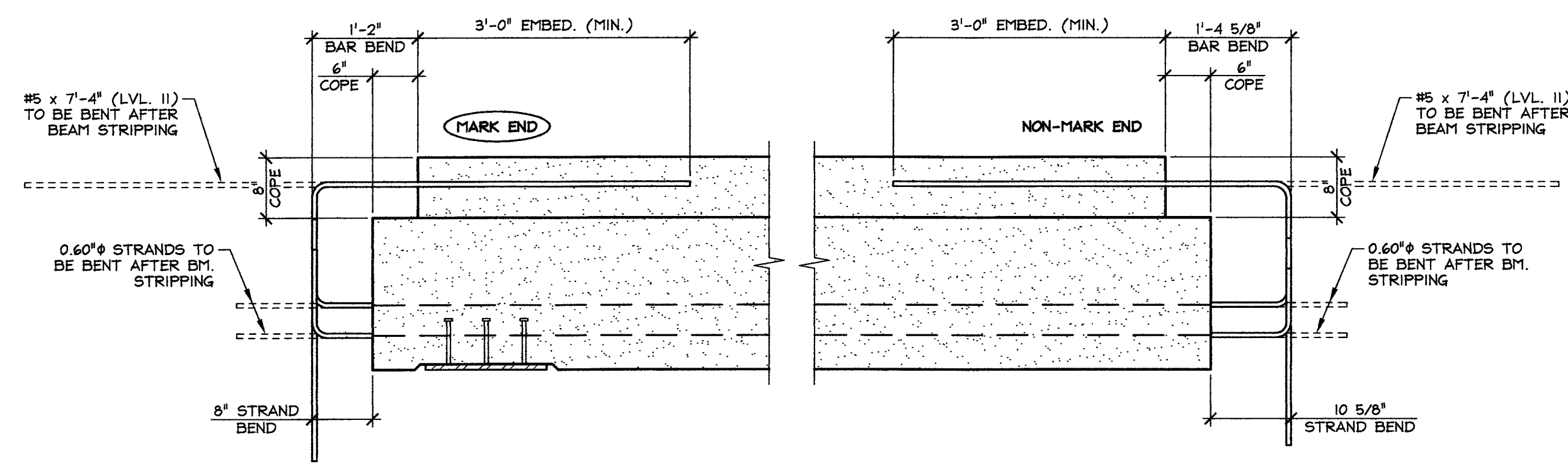
H SHEAR KEY DETAIL
 NBI
 1 1/2" = 1'-0"



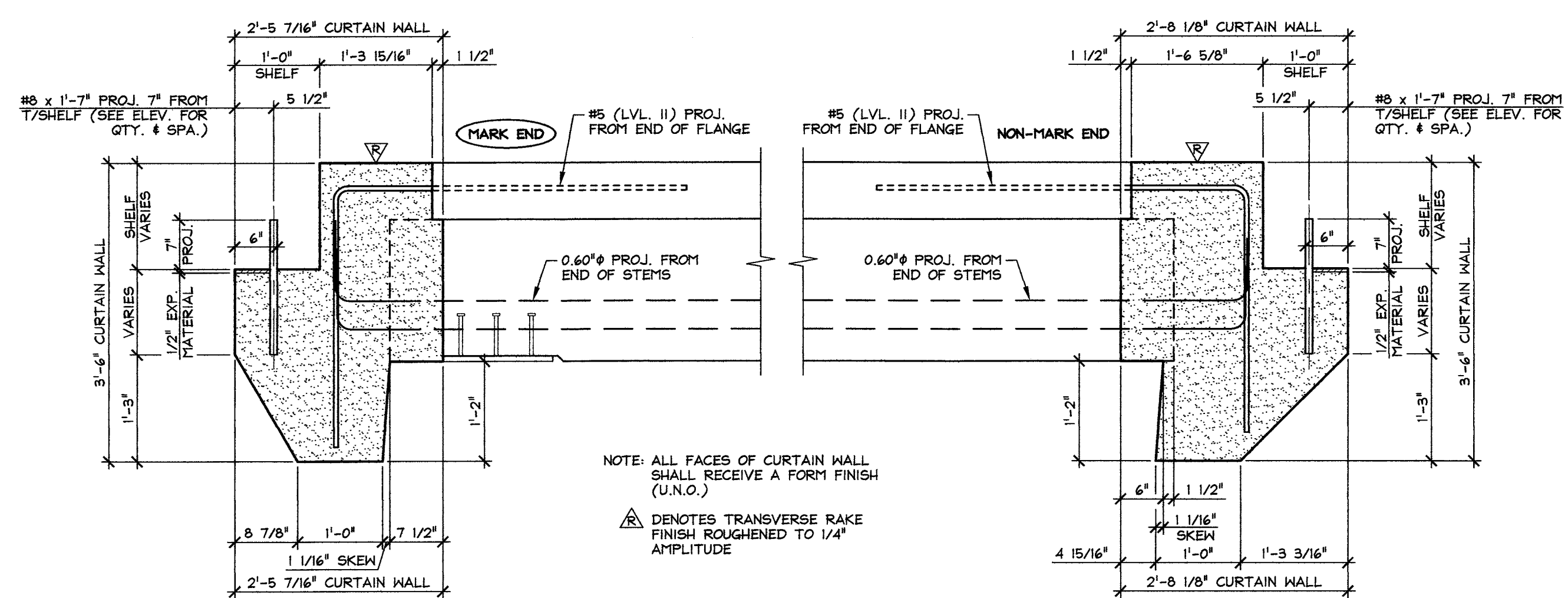
J BEARING PLATE DETAIL
 NBI
 3/4" = 1'-0"

APPROVAL STAMP:	J.P. CARRARA & SONS INC. Precast & Prestress Manufacturer 2444 CASE ST., MIDDLEBURY, VERMONT 05753 Phone: (802)388-6361 Fax: (802)388-9010		T. BUCK CONSTRUCTION CONTRACTOR AUBURN, MAINE	
	STATE OF VERMONT AGENCY OF TRANSPORTATION COUNTY OF ADDISON		DATE: OCT. 9, 2013	SCALE: NOTED
	TOWN OF MIDDLEBURY ROUTE NO. VT 125, EAST MIDDLEBURY GORGE BRIDGE NO.: 13 PROJECT NO.: RS 0174(8)		CHKD:	DFTM: B.L.
	PRESTRESSED NEXT BEAM DETAILS		JOB NO: 23411-013	DWG. NO: NBI

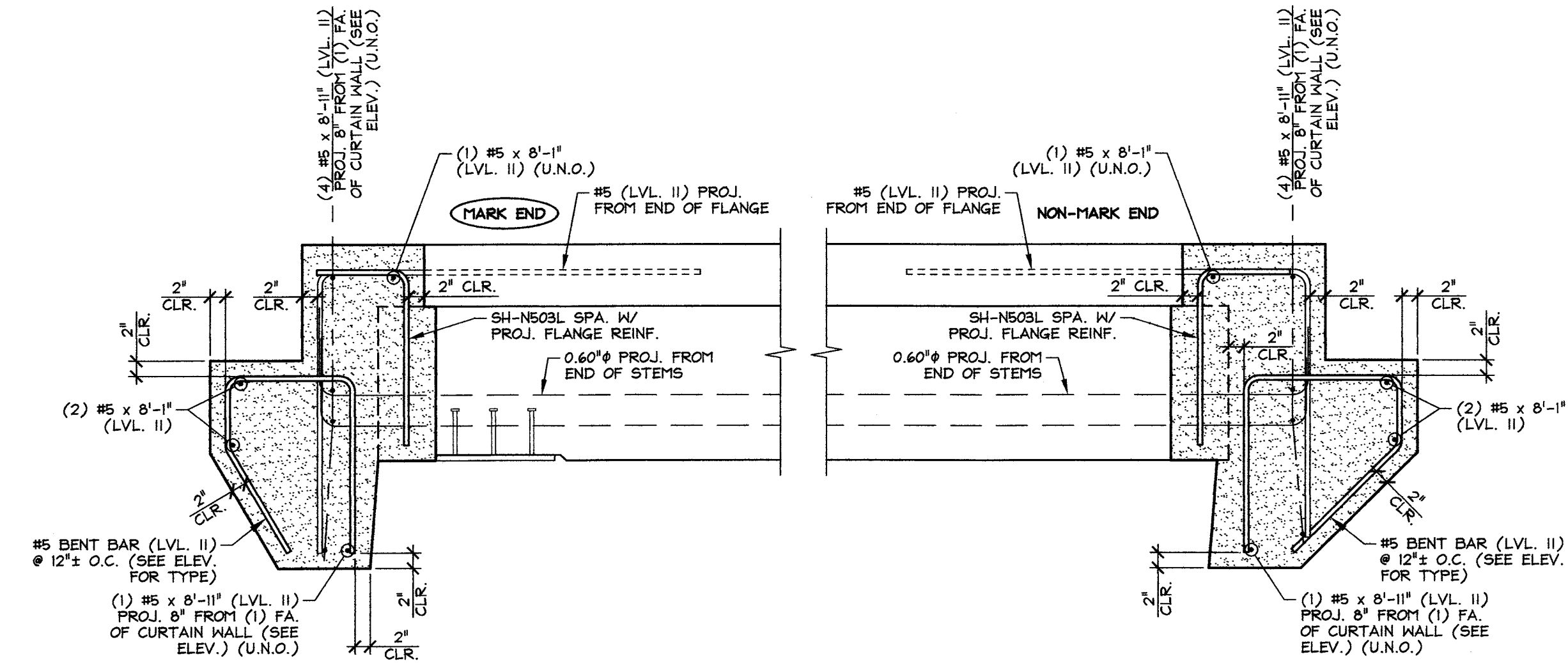
SUBMITTED
 FEB 12 2014
 J.P. CARRARA & SONS, INC.
 MIDDLEBURY, VT 05753



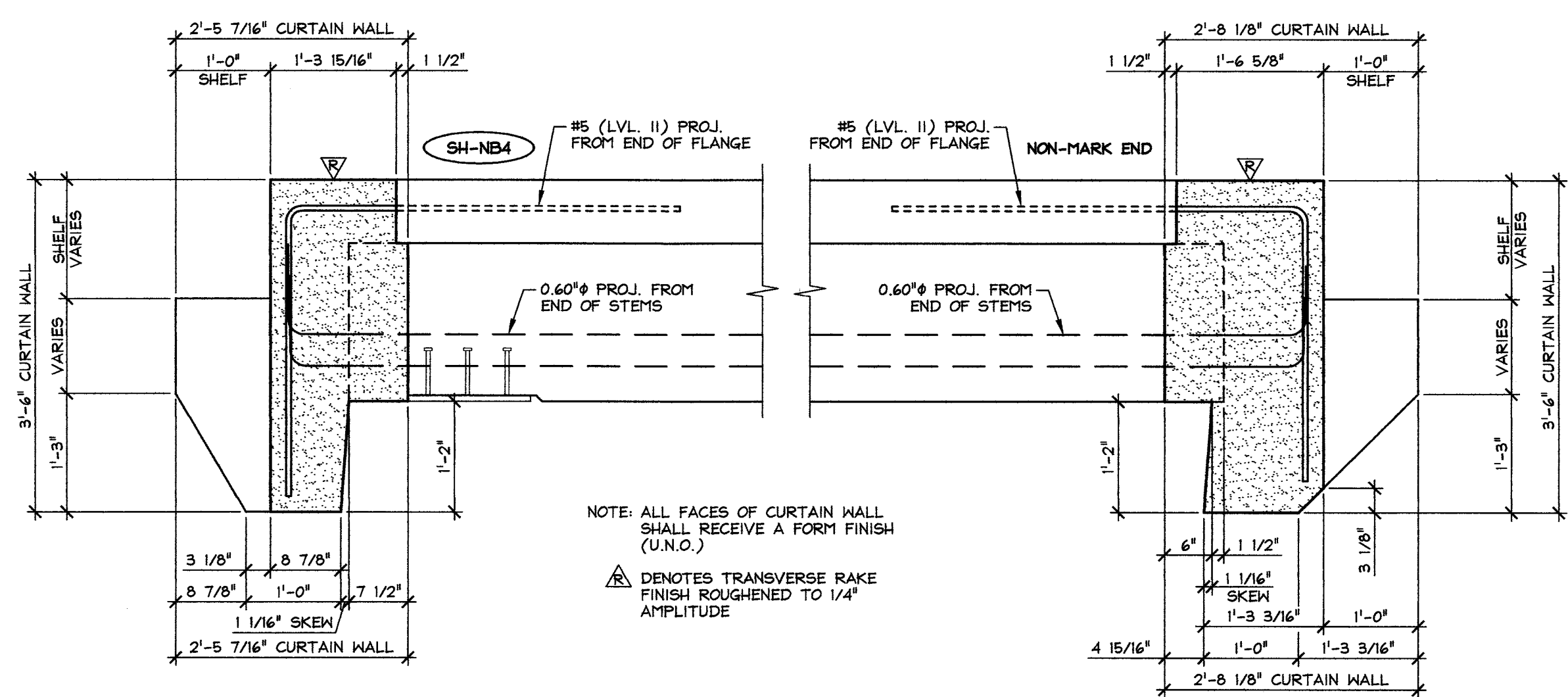
A PROJECTING STRAND & PROJECTING BAR BEND DETAIL
NB1.1 3/4" = 1'-0"



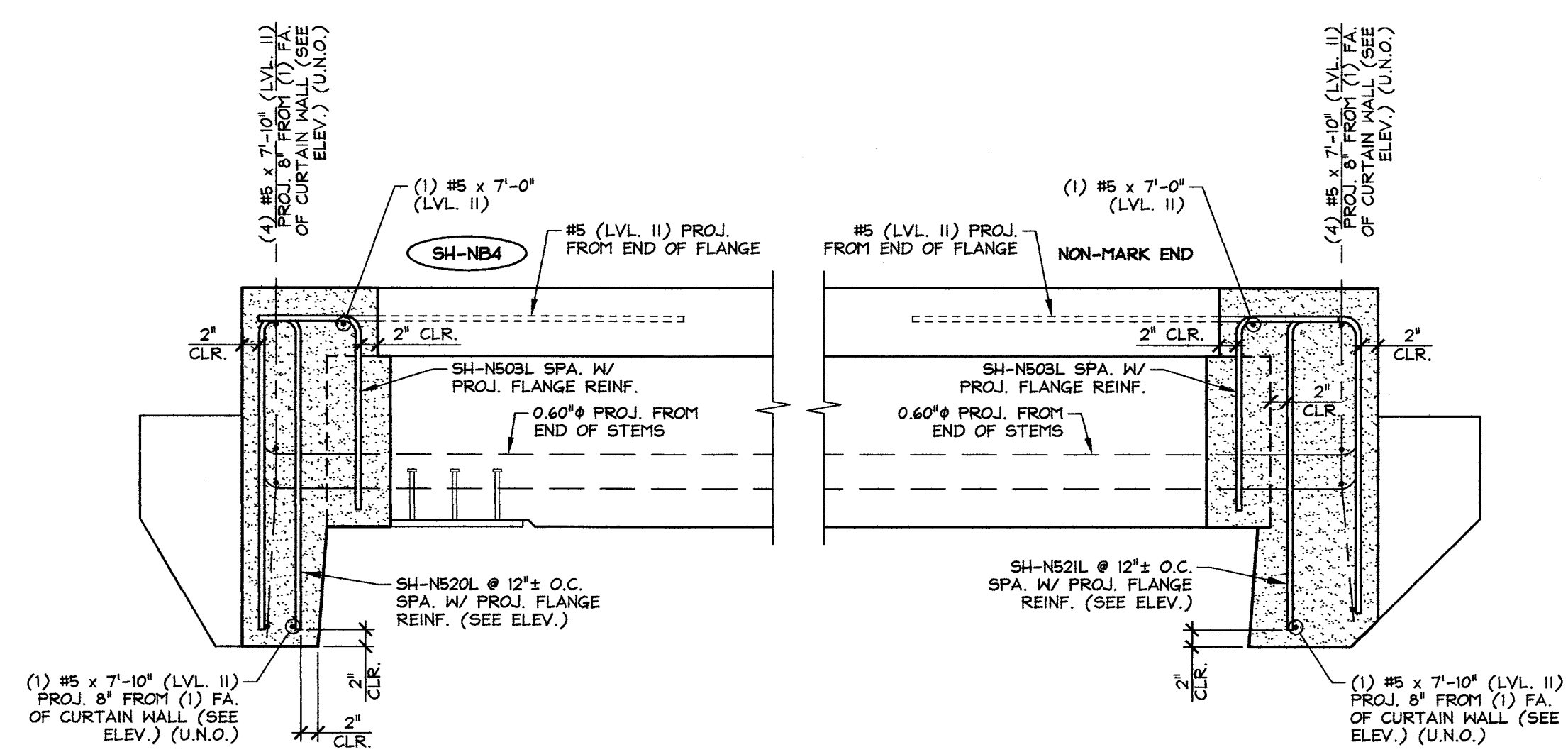
B CURTAIN WALL DIMENSIONAL SECTIONS
NB1.1 3/4" = 1'-0"



C CURTAIN WALL REINFORCING SECTIONS
NB1.1 SEE CURTAIN WALL ELEVATIONS FOR LONGITUDINAL BAR LENGTH CHANGES 3/4" = 1'-0"



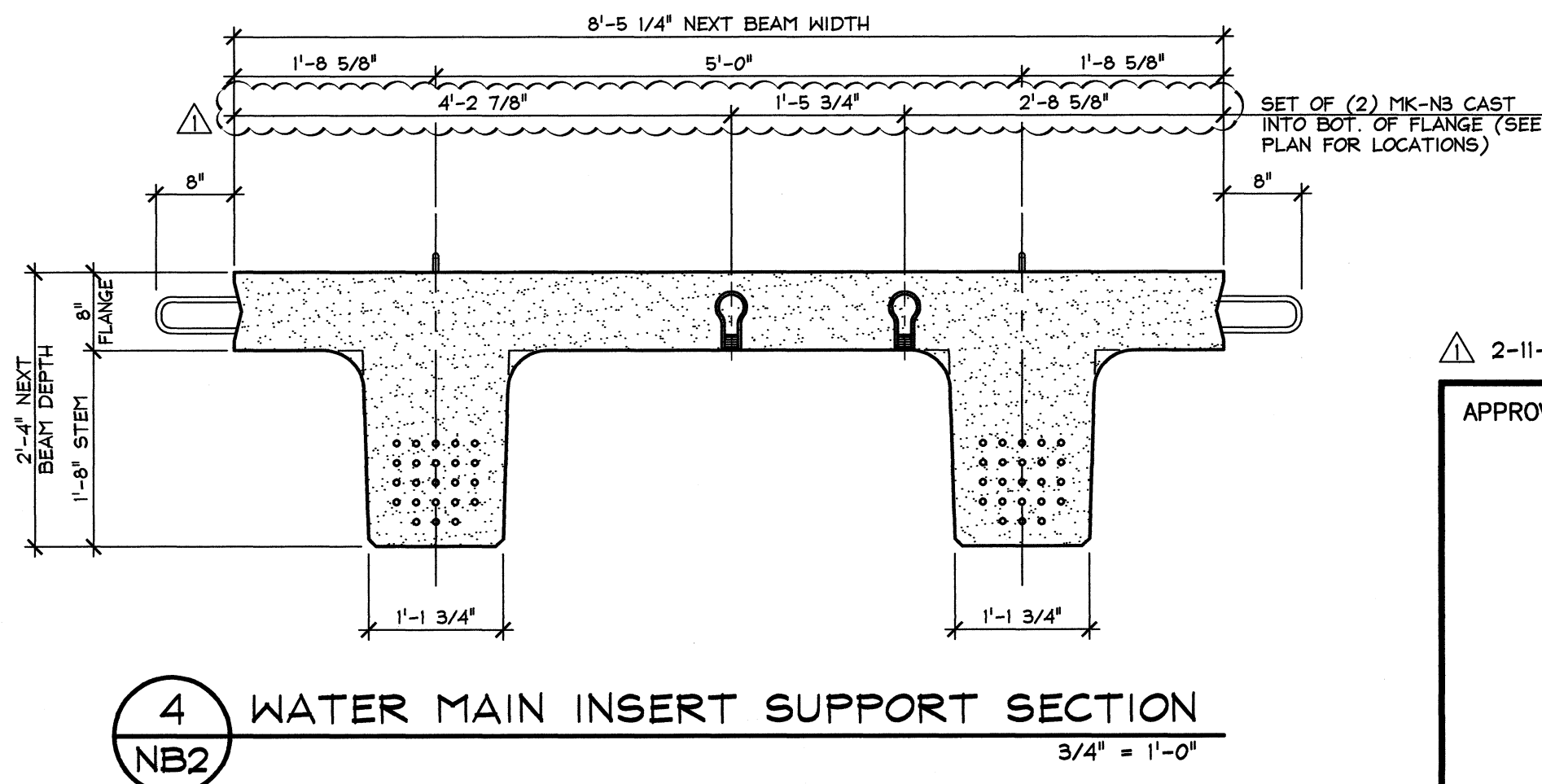
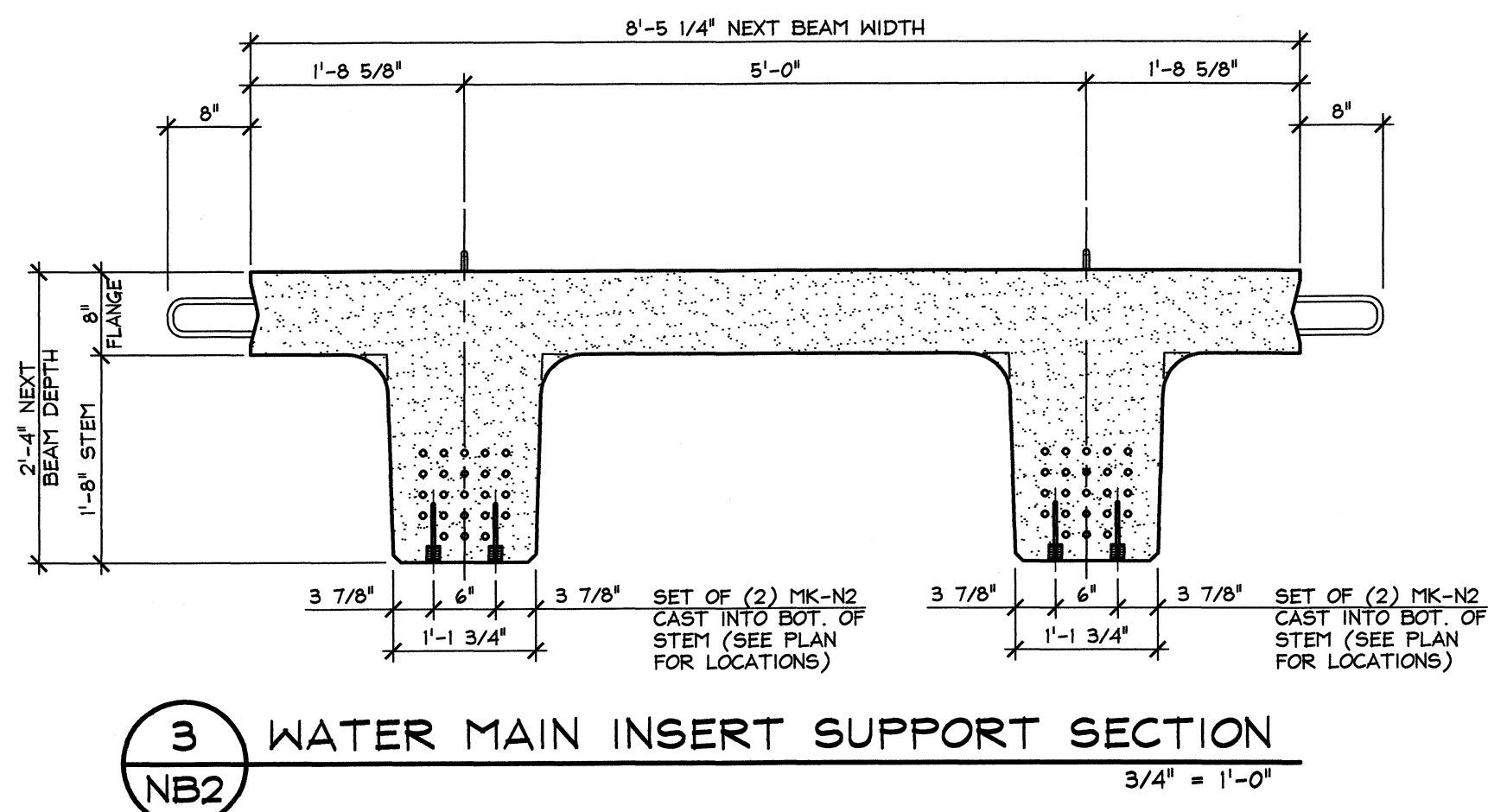
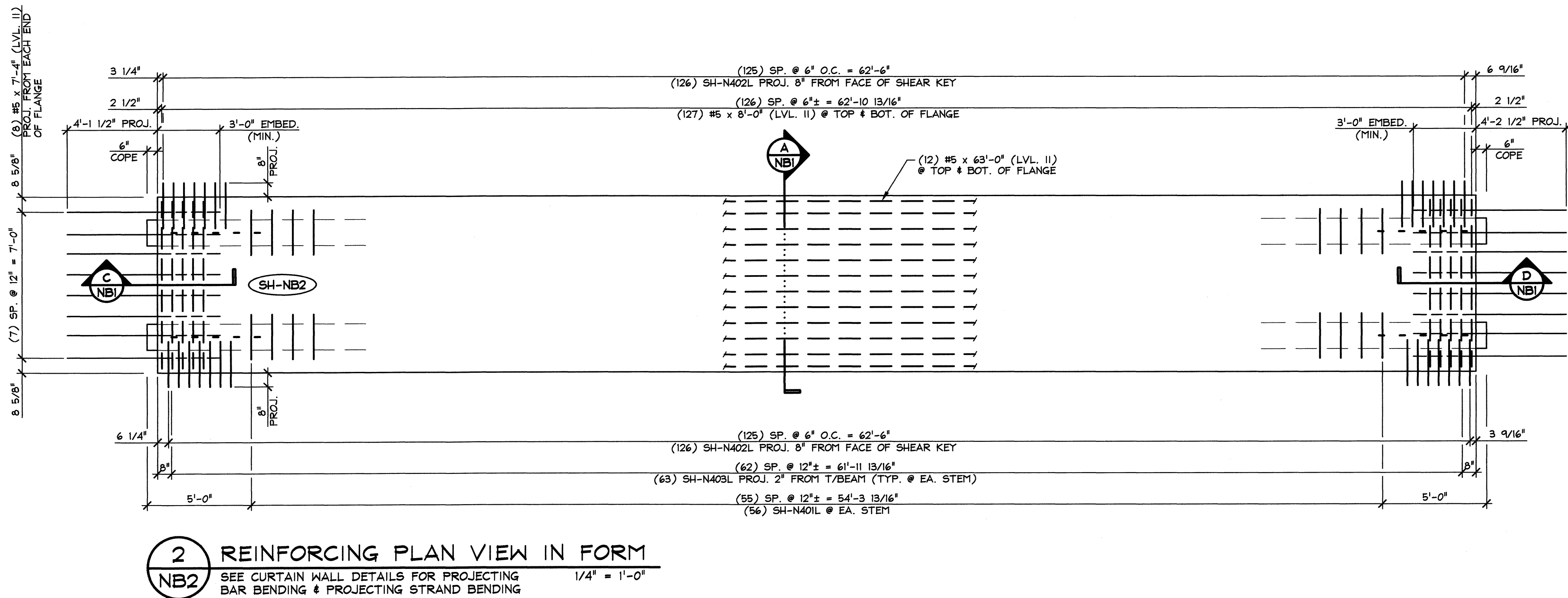
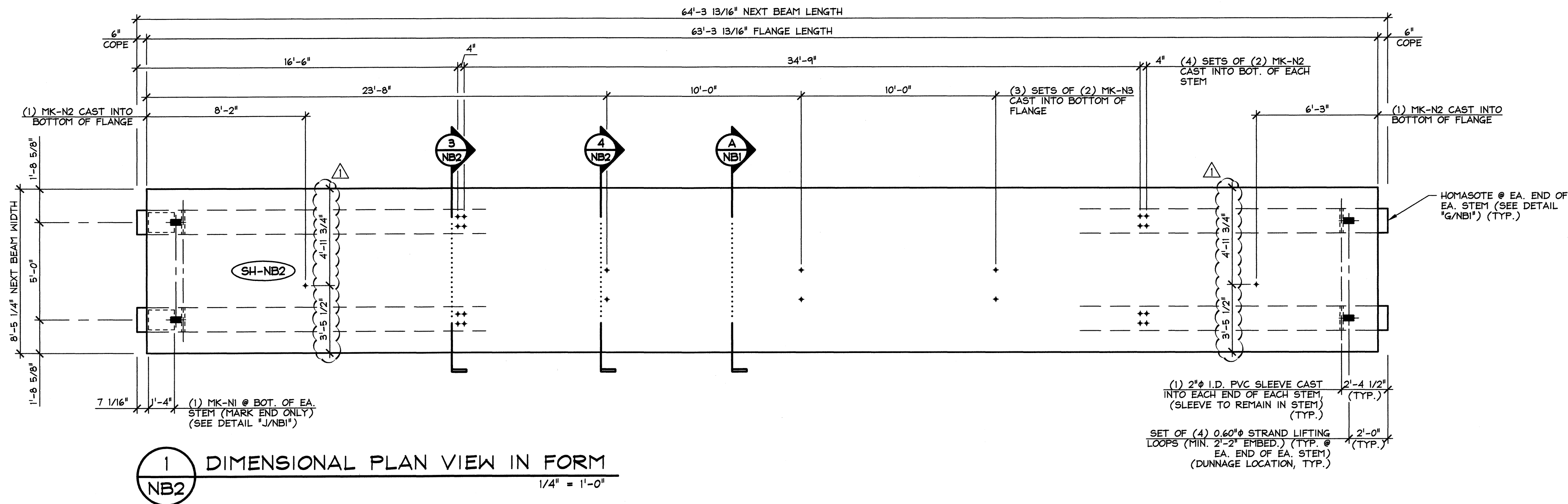
D CURTAIN WALL DIMENSIONAL SECTIONS
NB1.1 3/4" = 1'-0"



E CURTAIN WALL REINFORCING SECTIONS
NB1.1 SEE CURTAIN WALL ELEVATIONS FOR LONGITUDINAL BAR LENGTH CHANGES 3/4" = 1'-0"

SUBMITTED
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J.P. CARRARA & SONS, INC.
MIDDLEBURY, VT 05753

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	STATE OF VERMONT AGENCY OF TRANSPORTATION COUNTY OF ADDISON		DATE: OCT. 9, 2013	SCALE: NOTED
	TOWN OF MIDDLEBURY ROUTE NO. VT 125, EAST MIDDLEBURY GORGE BRIDGE NO.: 13 PROJECT NO.: RS 0174(8)		CHKD:	DFTM: B.L.
	PRECAST CURTAIN WALL DETAILS		JOB NO: 23411-013	DWG. NO: NB1.1



SUBMITTED

FEB 12 2014

J.P. CARRARA & SONS, INC.

MIDDLEBURY, VT 05753

MARK:	SH-NB2	QTY.:	1	WT.:	46.07 T	VOL.:	22.75 cy
MATERIAL LIST / NEXT BEAM							
ITEM	MARK	DESCRIPTION				QTY.	
1	SH-N401L	#4 BENT BAR (LEVEL II, DUAL COATED)				168	
2	SH-N402L	#4 BENT BAR (LEVEL II, DUAL COATED)				252	
3	SH-N403L	#4 HAIRPIN (LEVEL II, DUAL COATED)				126	
4	SH-N404L	#4 BENT BAR (LEVEL II, DUAL COATED)				8	
5		#4 x 8'-0" (LVL. II, DUAL COATED)				18	
6							
7		#5 x 7'-4" (LVL. II, DUAL COATED)				16	
8		#5 x 8'-0" (LVL. II, DUAL COATED)				254	
9		#5 x 6'-0" (W/ (1) 2'-6" STAGGERED LAP) (LVL. II, DUAL COATED)				24	
10							
11	SH-N601L	#6 BENT BAR (LEVEL II, DUAL COATED)				4	
12	SH-N602L	#6 BENT BAR (LEVEL II, DUAL COATED)				12	
13							
14							
15							
16	MK-N1	BRG. @ 3/4" x 1'-0 1/4" x 1'-4" W/ ANCHORS (GALV.)				2	
17	MK-N2	DAYTON 7/8" F-42 LOOP FERRULE INSERT (GALV.)				18	
18	MK-N3	DAYTON 1" F-42 LOOP FERRULE INSERT (S.S.)				6	
19		SET OF (4) 0.60" x 270 KSI STRAND LIFTING LOOPS				4	
20							

2-11-14 REVISE THREADED INSERT LOCATIONS

APPROVAL STAMP:

J.P. CARRARA & SONS INC.
Precast & Prestress Manufacturer
2464 OASE STR. MIDDLEBURY, VERMONT 05753 Phone:(802)388-6361 Fax:(802)388-9010

T. BUCK CONSTRUCTION
CONTRACTOR
AUBURN, MAINE

STATE OF VERMONT AGENCY OF TRANSPORTATION
COUNTY OF ADDISON

DATE: OCT. 9, 2013

SCALE: NOTED

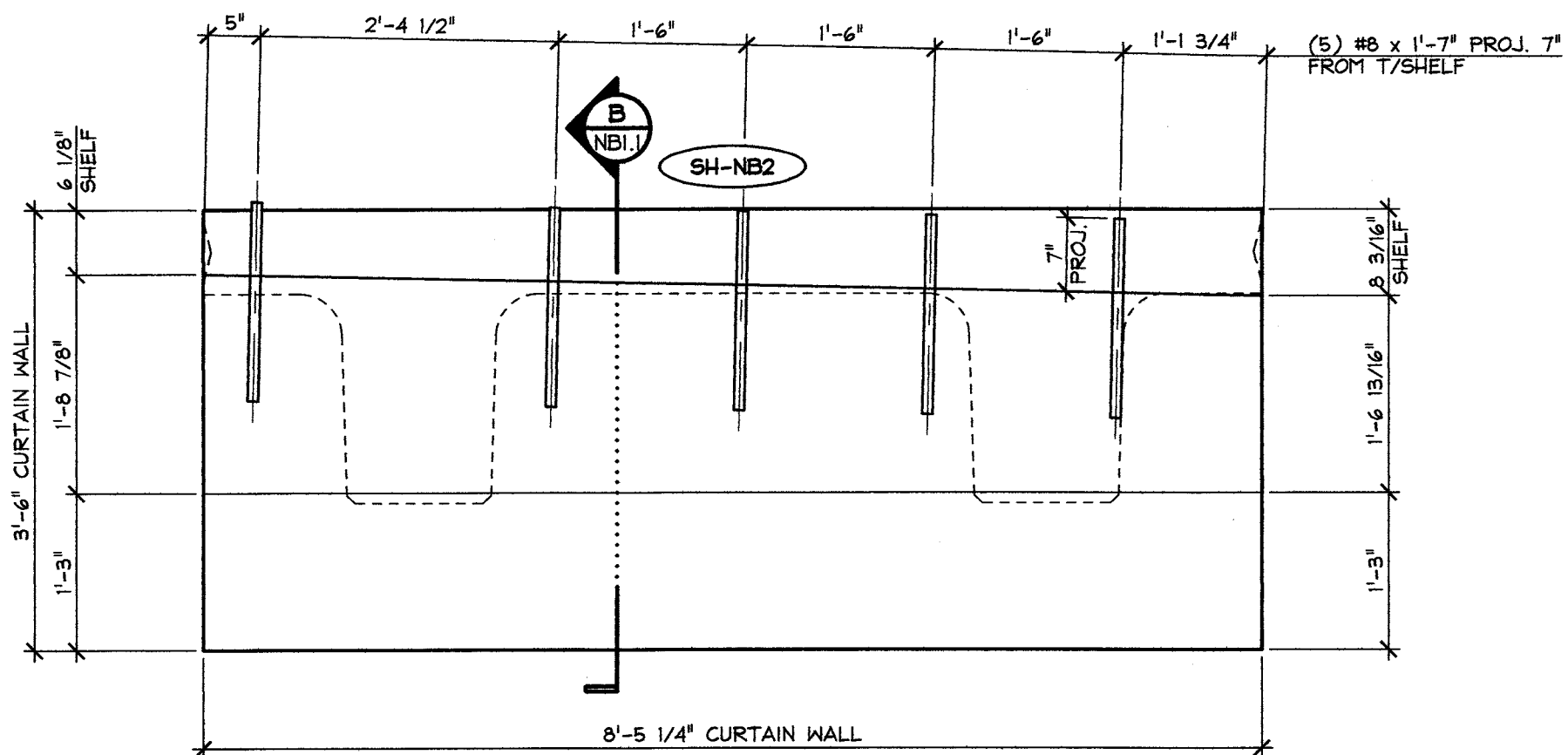
TOWN OF MIDDLEBURY
ROUTE NO. VT 125, EAST MIDDLEBURY GORGE
BRIDGE NO.: 13 PROJECT NO.: RS 0174(8)

CHKD: DFTM: B.L.

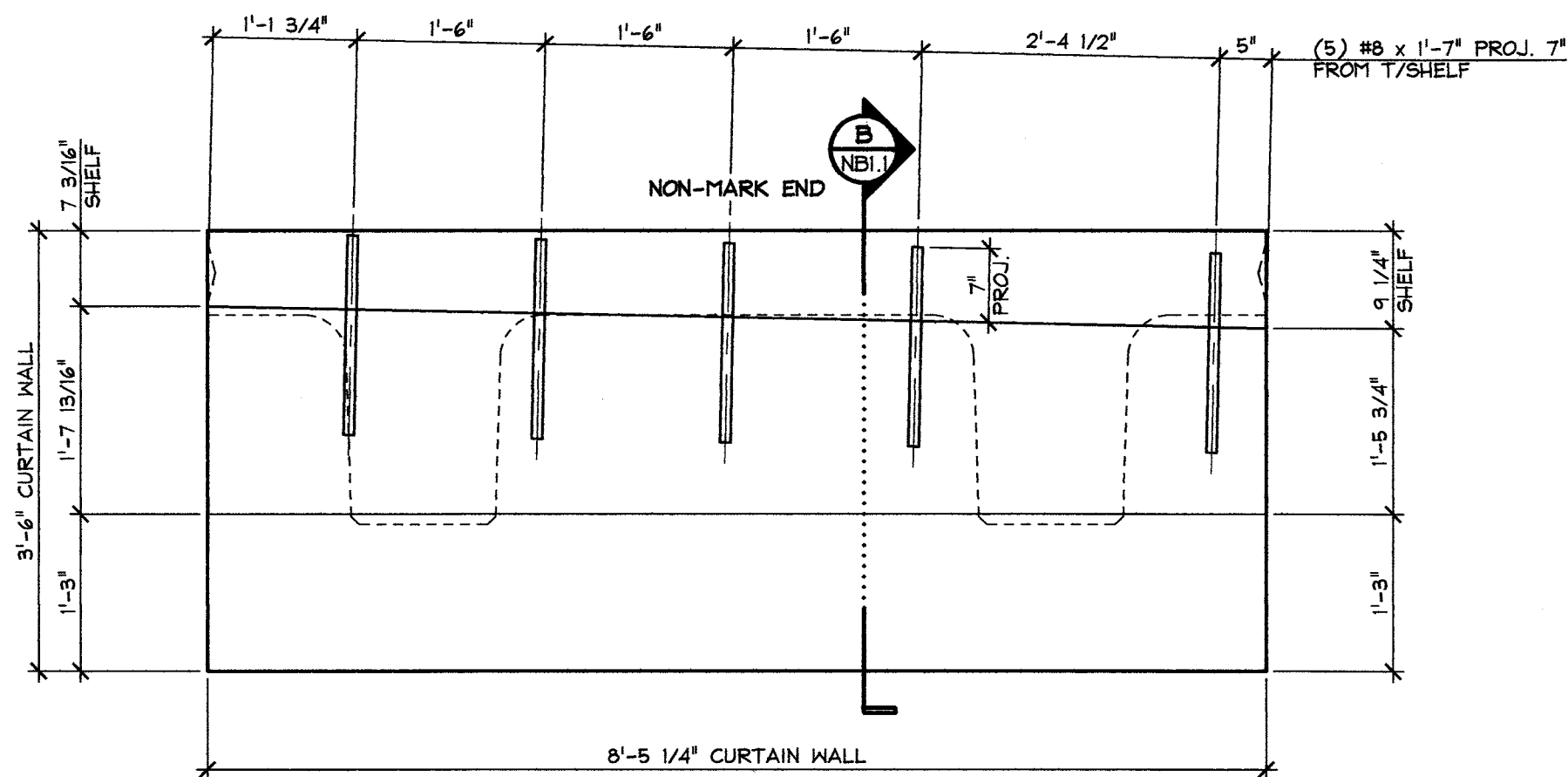
JOB NO: 23411-013

PRESTRESSED NEXT BEAM PLANS

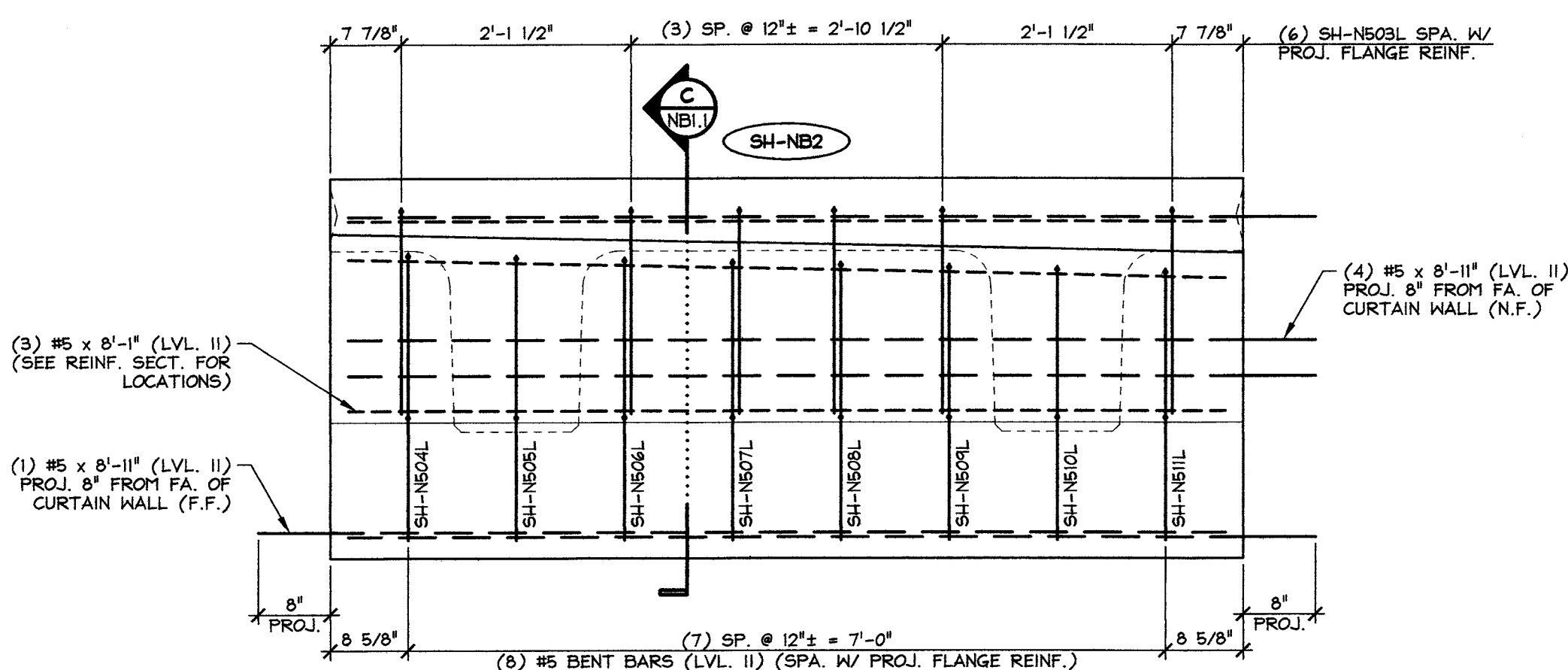
DWG. NO: NB2



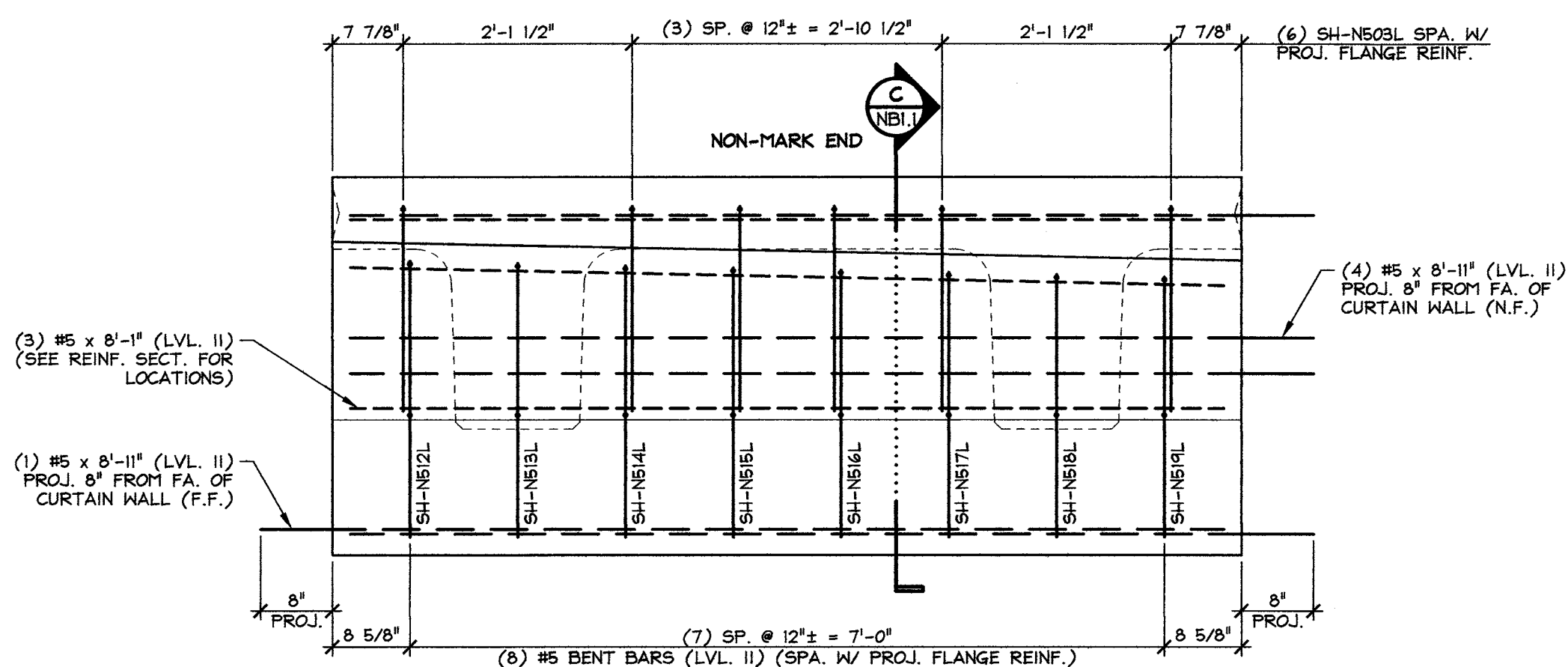
1 CURTAIN WALL DIMENSIONAL ELEVATION
NB2.1 VOL.: 1.99 cy
WT.: 4.03 T 3/4\"/>



3 CURTAIN WALL DIMENSIONAL ELEVATION
NB2.1 VOL.: 2.18 cy
WT.: 4.42 T 3/4\"/>



2 CURTAIN WALL DIMENSIONAL ELEVATION
NB2.1 3/4\"/>



4 CURTAIN WALL DIMENSIONAL ELEVATION
NB2.1 3/4\"/>

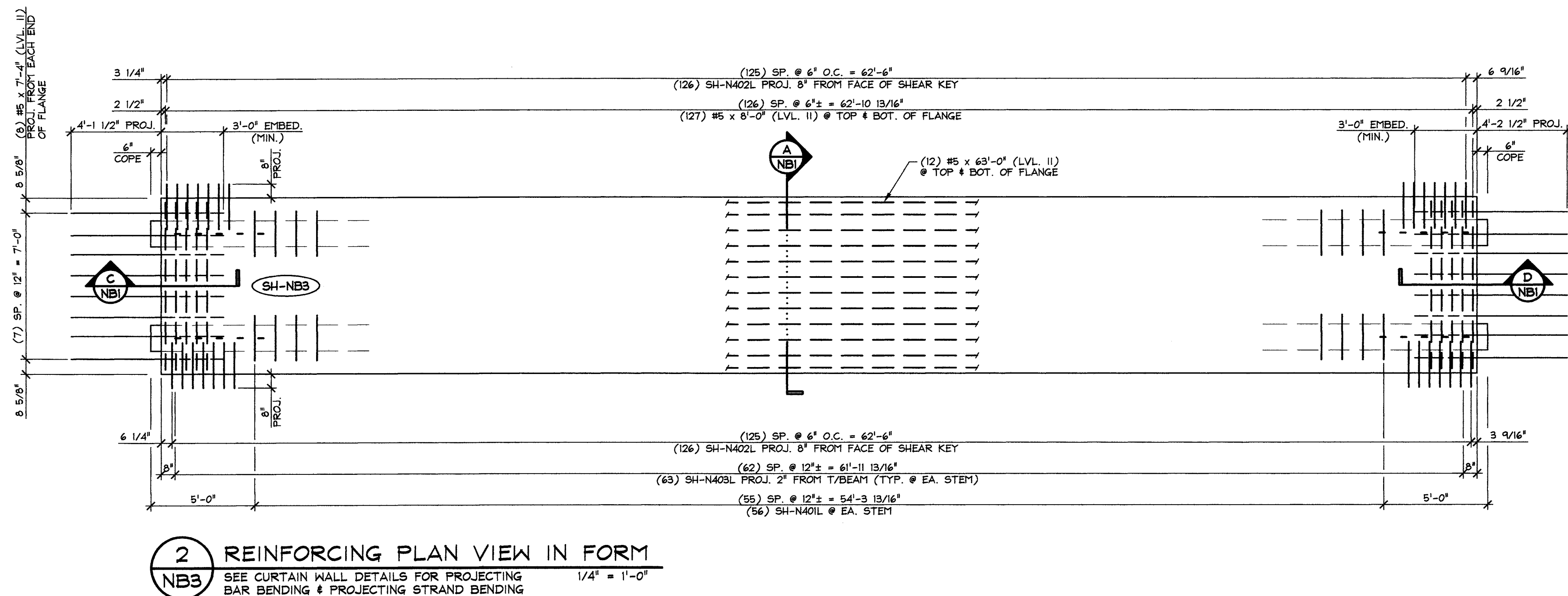
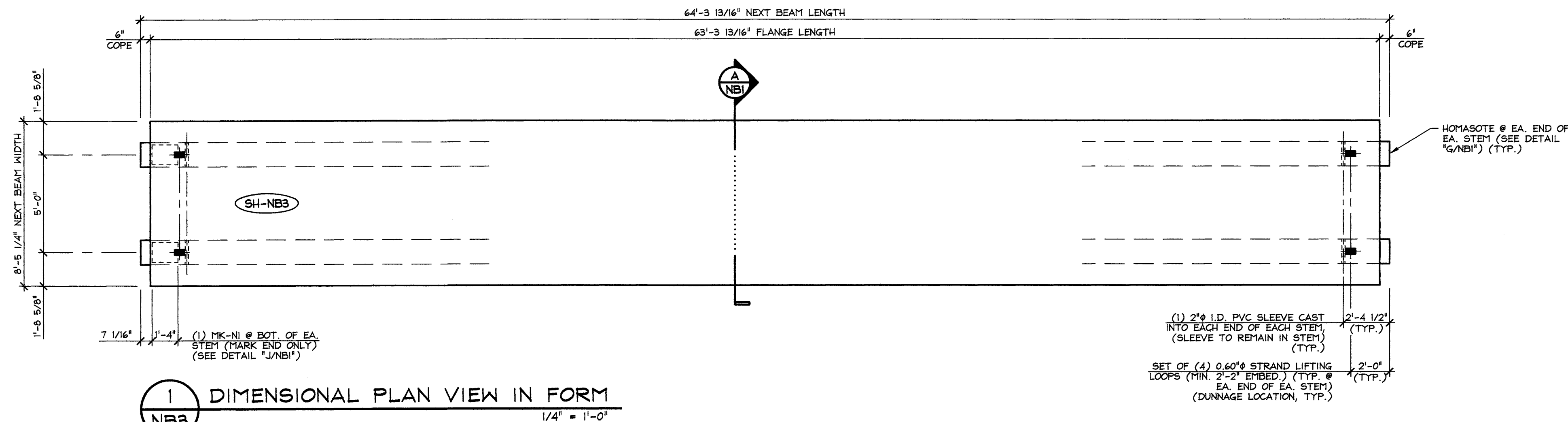
46.07 T = NEXT BEAM
4.03 T = CURTAIN WALL (MARK END)
4.42 T = CURTAIN WALL (NON-MARK END)
54.5 T = TOTAL BEAM WT.

SUBMITTED
FEB 12 2014
J. P. CARRARA & SONS, INC.
MIDDLEBURY, VT 05753

MARK: SH-NB2 QTY.: 1

MATERIAL LIST / CURTAIN WALL				
ITEM	MARK	DESCRIPTION	QTY./CURTAIN WALL	
			MARK END	NON-MARK END
1	SH-N503L	#5 BENT BAR (LEVEL II, DUAL COATED)	6	6
2	SH-N504L	#5 BENT BAR (LEVEL II, DUAL COATED)	1	
3	SH-N505L	#5 BENT BAR (LEVEL II, DUAL COATED)	1	
4	SH-N506L	#5 BENT BAR (LEVEL II, DUAL COATED)	1	
5	SH-N507L	#5 BENT BAR (LEVEL II, DUAL COATED)	1	
6	SH-N508L	#5 BENT BAR (LEVEL II, DUAL COATED)	1	
7	SH-N509L	#5 BENT BAR (LEVEL II, DUAL COATED)	1	
8	SH-N510L	#5 BENT BAR (LEVEL II, DUAL COATED)	1	
9	SH-N511L	#5 BENT BAR (LEVEL II, DUAL COATED)	1	
10	SH-N512L	#5 BENT BAR (LEVEL II, DUAL COATED)		1
11	SH-N513L	#5 BENT BAR (LEVEL II, DUAL COATED)		1
12	SH-N514L	#5 BENT BAR (LEVEL II, DUAL COATED)		1
13	SH-N515L	#5 BENT BAR (LEVEL II, DUAL COATED)		1
14	SH-N516L	#5 BENT BAR (LEVEL II, DUAL COATED)		1
15	SH-N517L	#5 BENT BAR (LEVEL II, DUAL COATED)		1
16	SH-N518L	#5 BENT BAR (LEVEL II, DUAL COATED)		1
17	SH-N519L	#5 BENT BAR (LEVEL II, DUAL COATED)		1
18		#5 x 8'-1" (LVL. II, DUAL COATED)	3	3
19		#5 x 8'-11" (LVL. II, DUAL COATED)	5	5
20				
21		#8 x 1'-7" (LEVEL II, DUAL COATED)	5	5
22				
23				
24				
25				

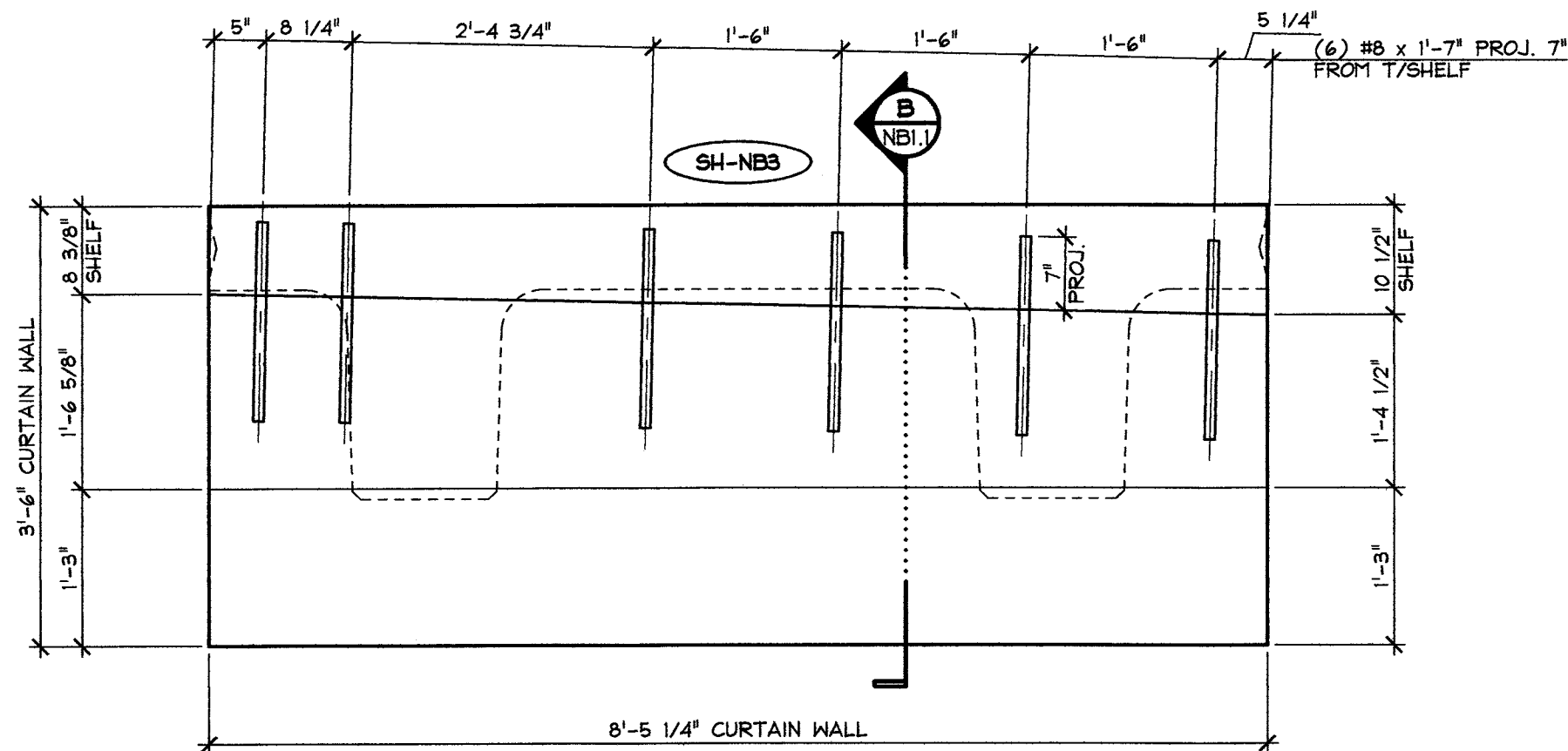
APPROVAL STAMP:	J.P. CARRARA & SONS INC. Precast & Prestress Manufacturer <small>2464 CASE CIR., MIDDLEBURY, VERMONT 05753 Phone: (802)388-6361 Fax: (802)388-8010</small>		T. BUCK CONSTRUCTION CONTRACTOR AUBURN, MAINE	
	STATE OF VERMONT AGENCY OF TRANSPORTATION COUNTY OF ADDISON		DATE: OCT. 9, 2013	
			SCALE: NOTED	
	TOWN OF MIDDLEBURY ROUTE NO. VT 125, EAST MIDDLEBURY GORGE BRIDGE NO.: 13 PROJECT NO.: RS 0174(8)		CHKD:	DFTM: B.L.
PRECAST CURTAIN WALL DETAILS		JOB NO: 23411-013		
		DWG. NO: NB2.1		



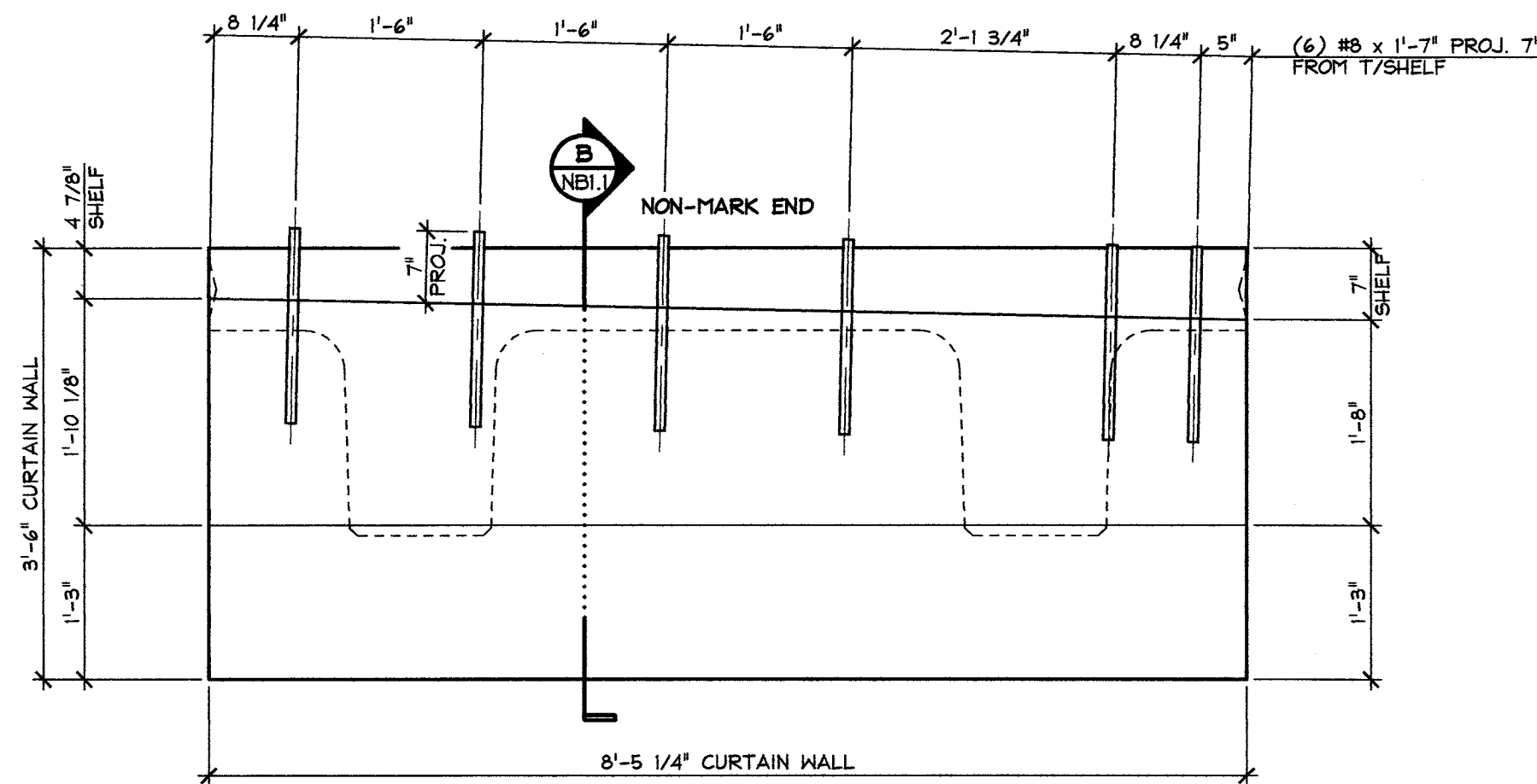
SUBMITTED
FEB 12 2014
J. P. CARRARA & SONS, INC.
MIDDLEBURY, VT 05753

MARK:	SH-NB3	QTY.: 1	WT.: 46.07 T	VOL.: 22.75 cy
MATERIAL LIST / NEXT BEAM				
ITEM	MARK	DESCRIPTION		QTY.
1	SH-N401L	#4 BENT BAR (LEVEL II, DUAL COATED)		168
2	SH-N402L	#4 BENT BAR (LEVEL II, DUAL COATED)		252
3	SH-N403L	#4 HAIRPIN (LEVEL II, DUAL COATED)		126
4	SH-N404L	#4 BENT BAR (LEVEL II, DUAL COATED)		8
5		#4 x 8'-0\"		18
6				
7		#5 x 7'-4\"		16
8		#5 x 8'-0\"		254
9		#5 x 63'-0\"		24
10				
11	SH-N601L	#6 BENT BAR (LEVEL II, DUAL COATED)		4
12	SH-N602L	#6 BENT BAR (LEVEL II, DUAL COATED)		12
13				
14				
15				
16				
17				
18	MK-NI	BRG. @ 3/4\"		2
19		SET OF (4) 0.60\"		4
20				

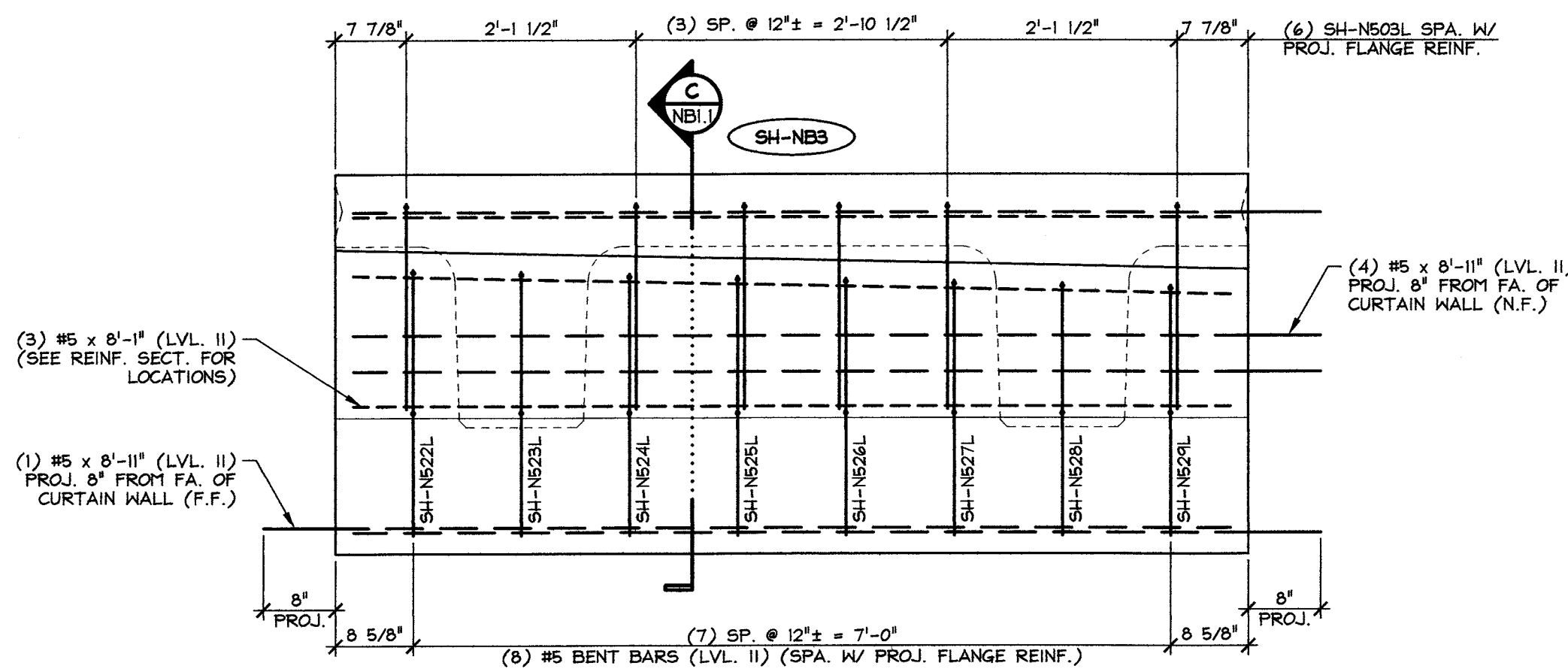
APPROVAL STAMP:	J.P. CARRARA & SONS INC.		T. BUCK CONSTRUCTION	
	Precast & Prestress Manufacturer		CONTRACTOR	
	2444 OASE STR., MIDDLEBURY, VERMONT 05753 Phone: (802)388-6361 Fax: (802)388-9010		AUBURN, MAINE	
	STATE OF VERMONT AGENCY OF TRANSPORTATION COUNTY OF ADDISON		DATE: OCT. 9, 2013	
	TOWN OF MIDDLEBURY ROUTE NO. VT 125, EAST MIDDLEBURY GORGE BRIDGE NO.: 13 PROJECT NO.: RS 0174(8)		SCALE: NOTED	
CHKD: DFTM: B.L.				
JOB NO: 23411-013				
PRESTRESSED NEXT BEAM PLANS		DWG. NO: NB3		



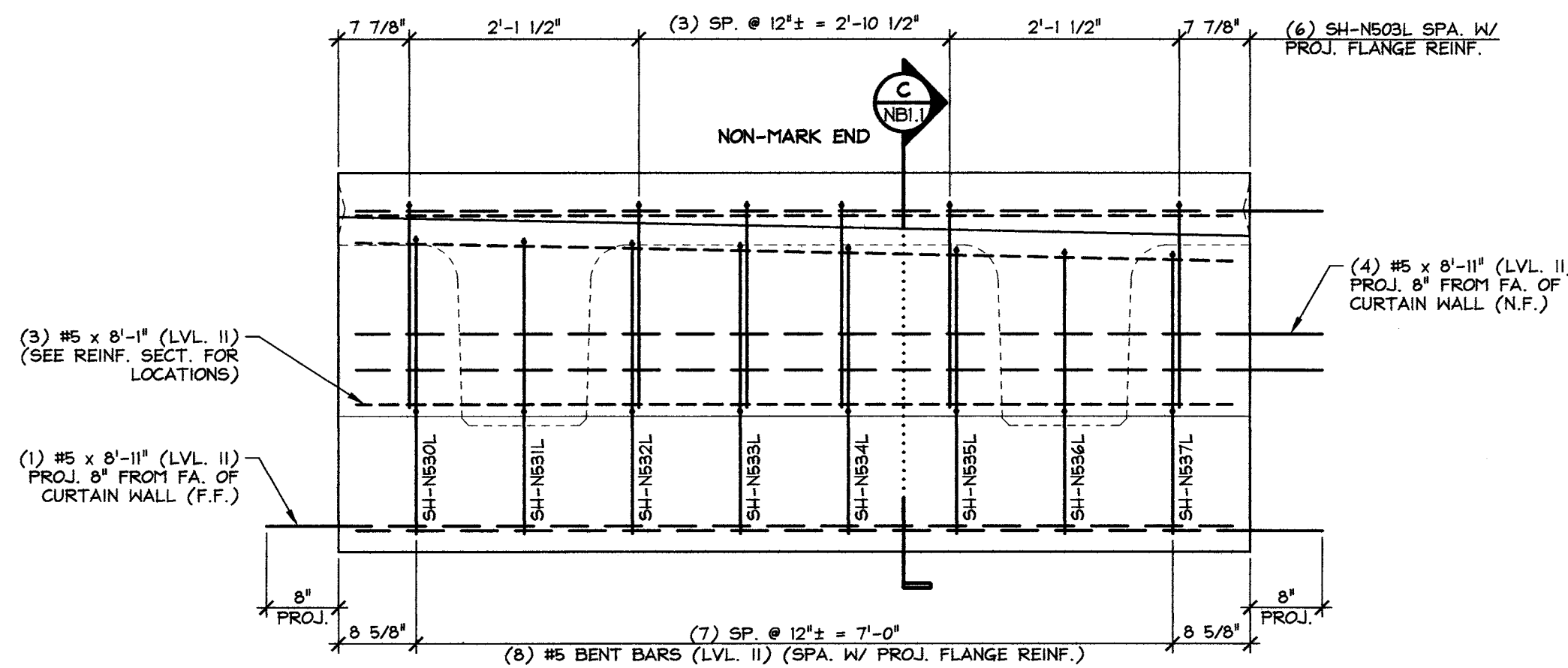
1 CURTAIN WALL DIMENSIONAL ELEVATION
NB3.1 VOL.: 1.93 cy
WT.: 3.91 T
3/4\"/>



3 CURTAIN WALL DIMENSIONAL ELEVATION
NB3.1 VOL.: 2.24 cy
WT.: 4.54 T
3/4\"/>



2 CURTAIN WALL DIMENSIONAL ELEVATION
NB3.1 3/4\"/>



4 CURTAIN WALL DIMENSIONAL ELEVATION
NB3.1 3/4\"/>

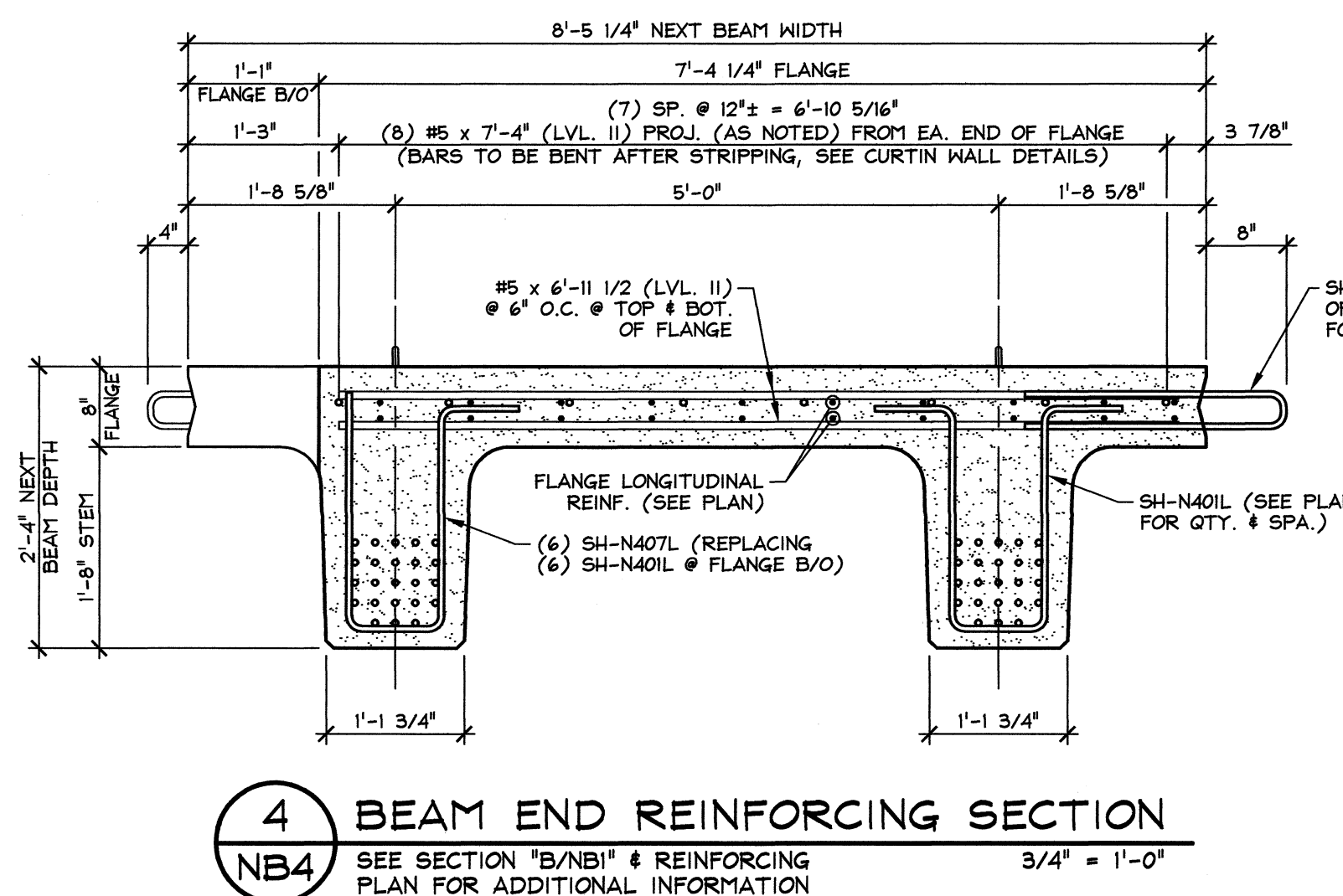
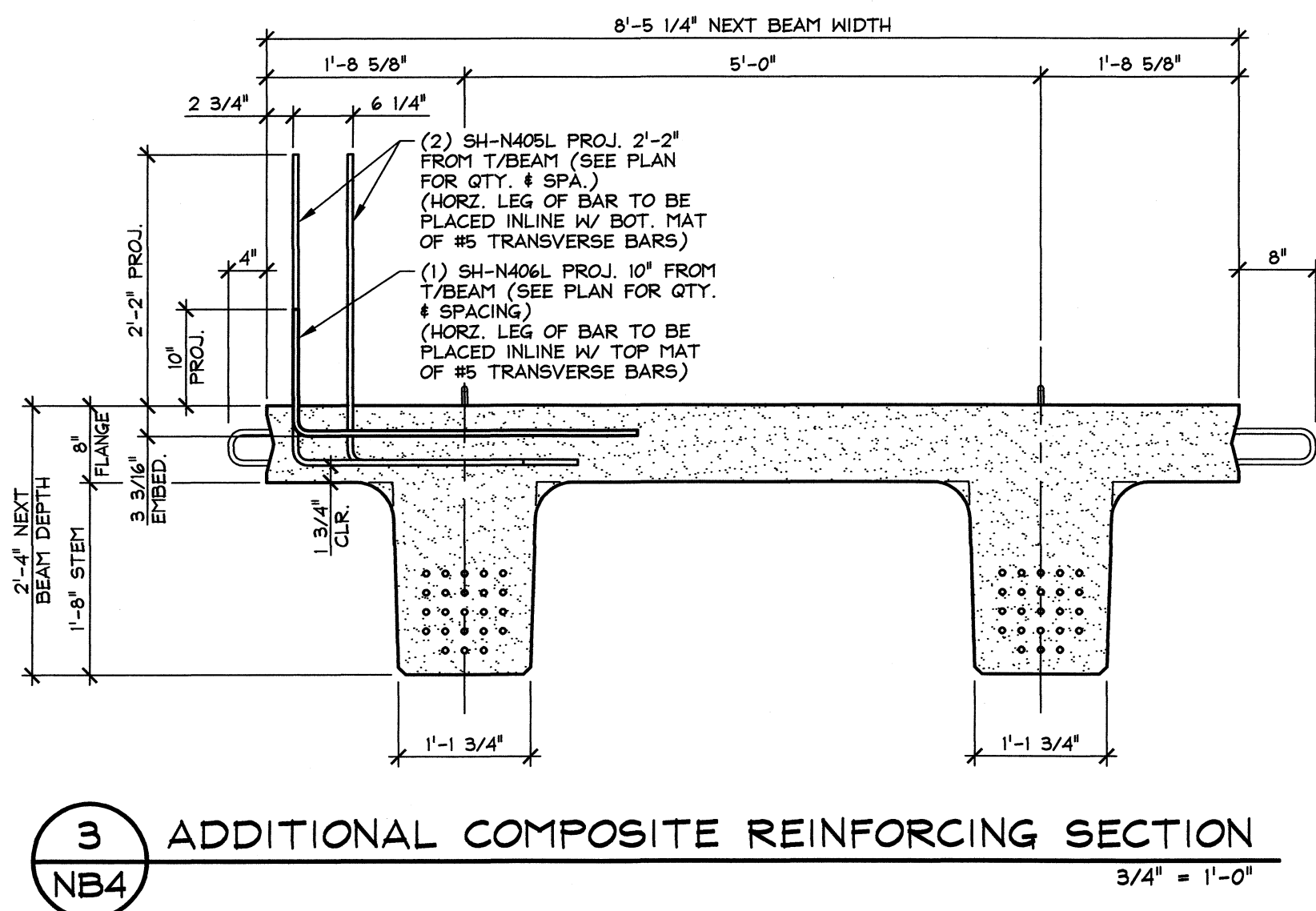
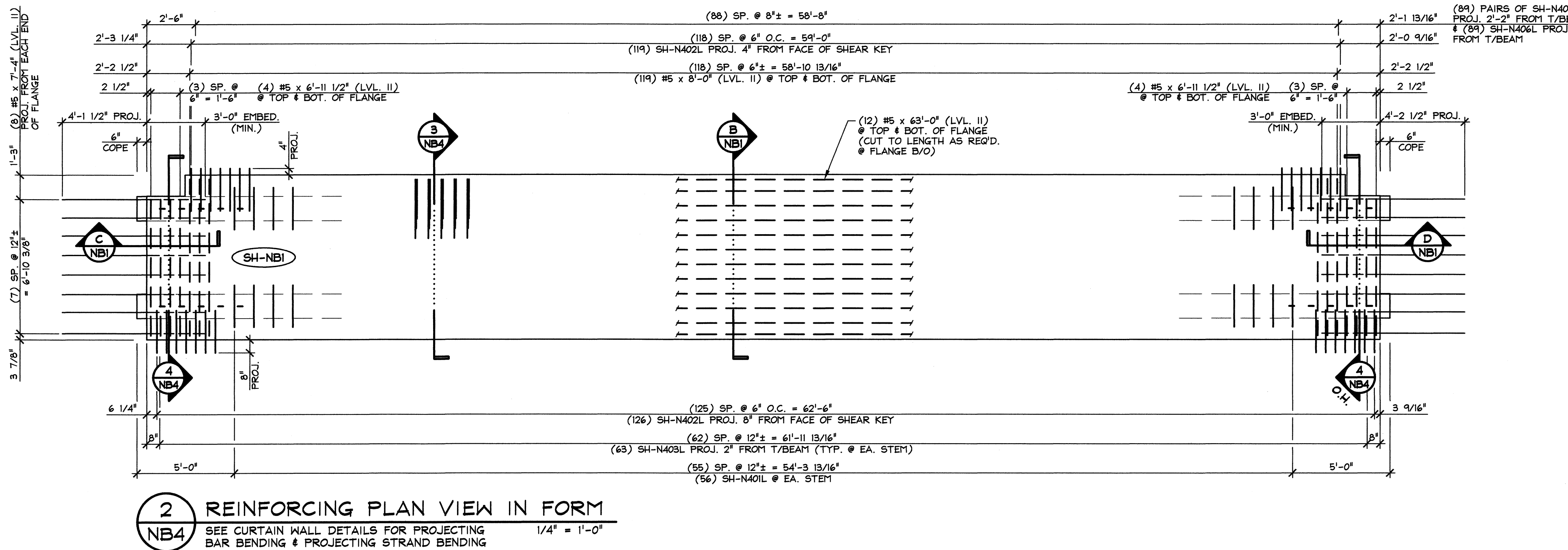
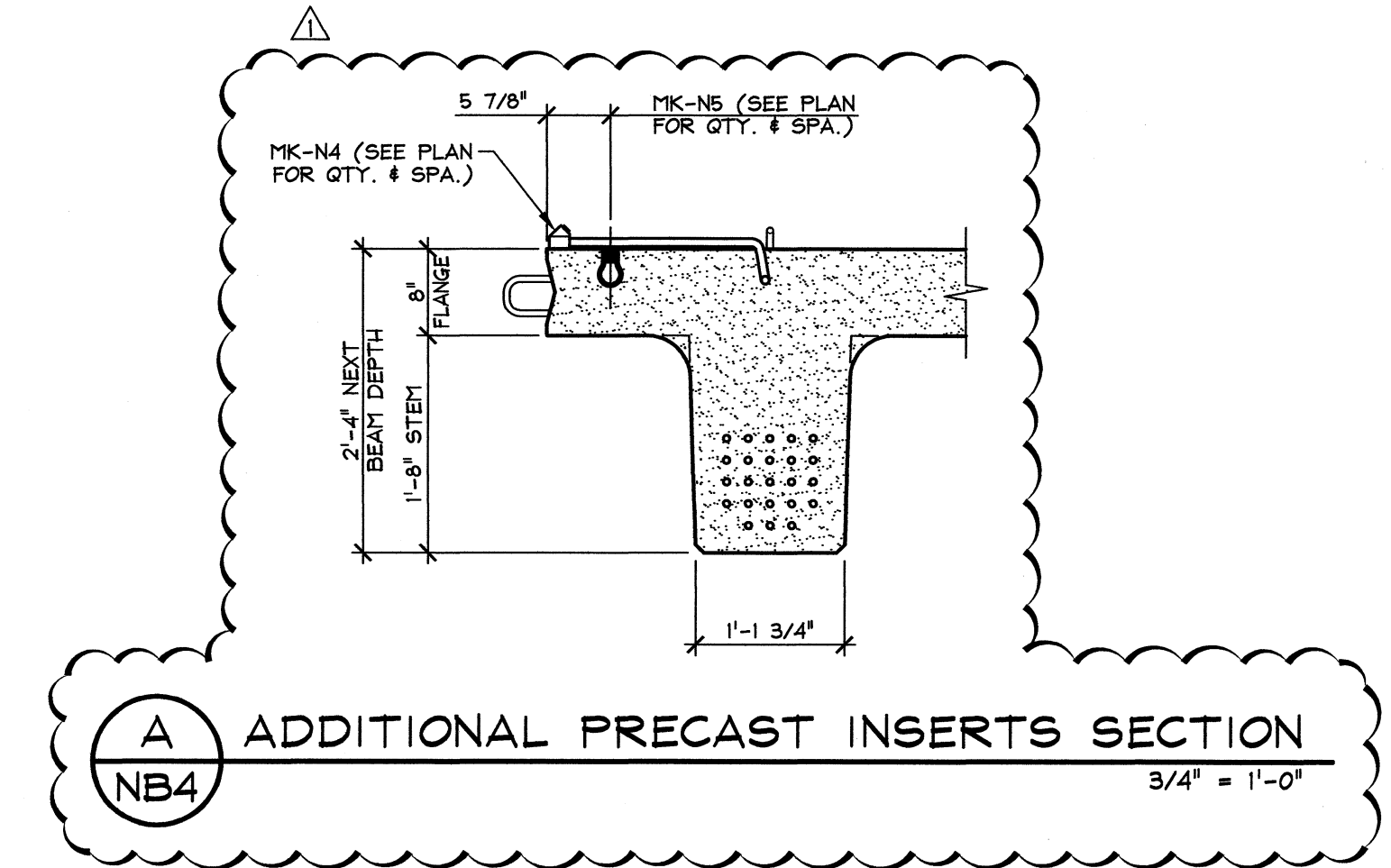
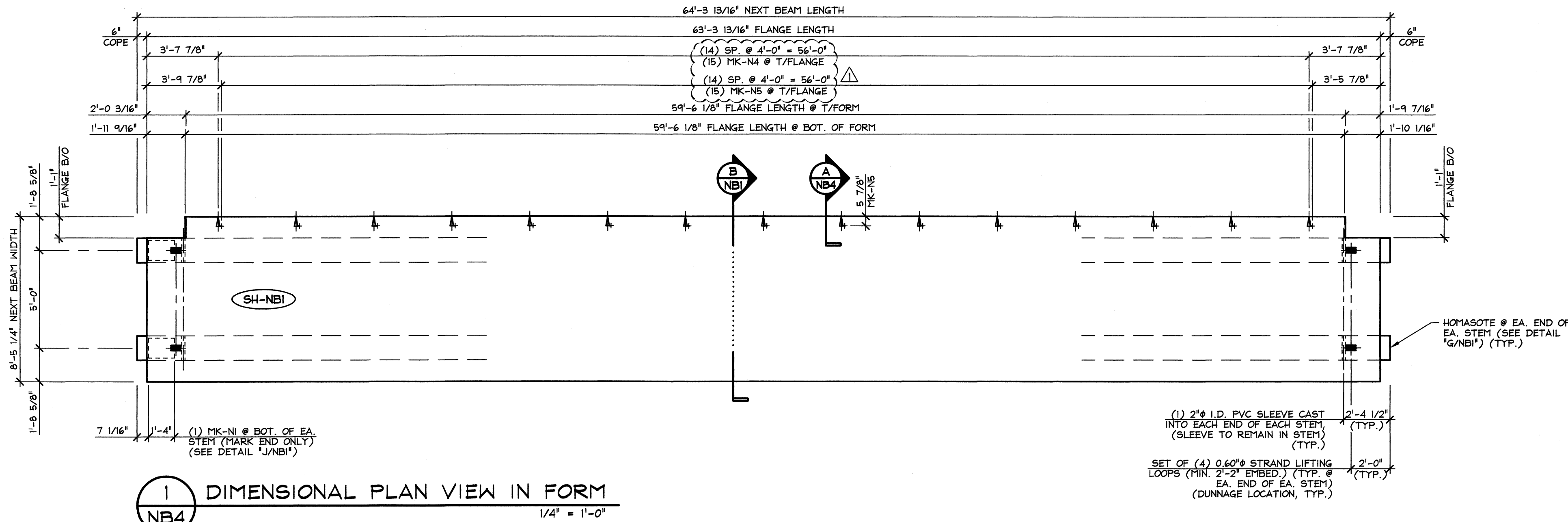
46.07 T = NEXT BEAM
3.91 T = CURTAIN WALL (MARK END)
4.54 T = CURTAIN WALL (NON-MARK END)
54.5 T = TOTAL BEAM WT.

SUBMITTED
FEB 12 2014
J.P. CARRARA & SONS, INC.
MIDDLEBURY, VT 05753

MARK: SH-NB3 QTY.: 1

MATERIAL LIST / CURTAIN WALL					
ITEM	MARK	DESCRIPTION	QTY./CURTAIN WALL		
			MARK END	NON-MARK END	
1	SH-N503L	#5 BENT BAR (LEVEL II, DUAL COATED)	6	6	
2	SH-N522L	#5 BENT BAR (LEVEL II, DUAL COATED)	1		
3	SH-N523L	#5 BENT BAR (LEVEL II, DUAL COATED)	1		
4	SH-N524L	#5 BENT BAR (LEVEL II, DUAL COATED)	1		
5	SH-N525L	#5 BENT BAR (LEVEL II, DUAL COATED)	1		
6	SH-N526L	#5 BENT BAR (LEVEL II, DUAL COATED)	1		
7	SH-N527L	#5 BENT BAR (LEVEL II, DUAL COATED)	1		
8	SH-N528L	#5 BENT BAR (LEVEL II, DUAL COATED)	1		
9	SH-N529L	#5 BENT BAR (LEVEL II, DUAL COATED)	1		
10	SH-N530L	#5 BENT BAR (LEVEL II, DUAL COATED)		1	
11	SH-N531L	#5 BENT BAR (LEVEL II, DUAL COATED)		1	
12	SH-N532L	#5 BENT BAR (LEVEL II, DUAL COATED)		1	
13	SH-N533L	#5 BENT BAR (LEVEL II, DUAL COATED)		1	
14	SH-N534L	#5 BENT BAR (LEVEL II, DUAL COATED)		1	
15	SH-N535L	#5 BENT BAR (LEVEL II, DUAL COATED)		1	
16	SH-N536L	#5 BENT BAR (LEVEL II, DUAL COATED)		1	
17	SH-N537L	#5 BENT BAR (LEVEL II, DUAL COATED)		1	
18		#5 x 8'-1\"/>	3	3	
19		#5 x 8'-1\"/>	5	5	
20					
21		#8 x 1'-7\"/>	6	6	
22					
23					
24					
25					

APPROVAL STAMP:	J.P. CARRARA & SONS INC.		T. BUCK CONSTRUCTION	
	Precast & Prestress Manufacturer		CONTRACTOR	
	2464 GAGE STR., MIDDLEBURY, VERMONT 05753 Phone:(802)388-6361 Fax:(802)388-9010		AUBURN, MAINE	
	STATE OF VERMONT AGENCY OF TRANSPORTATION		DATE: OCT. 9, 2013	
	COUNTY OF ADDISON		SCALE: NOTED	
	TOWN OF MIDDLEBURY		CHKD: DFTM: B.L.	
ROUTE NO. VT 125, EAST MIDDLEBURY GORGE		JOB NO: 23411-013		
BRIDGE NO.: 13 PROJECT NO.: RS 0174(B)				
PRECAST CURTAIN WALL DETAILS		DWG. NO: NB3.1		



MARK:	SH-NB1	QTY.: 1	WT.: 45.87 T	VOL.: 22.65 cy
MATERIAL LIST / NEXT BEAM				
ITEM	MARK	DESCRIPTION	QTY.	
1	SH-N401L	#4 BENT BAR (LEVEL II, DUAL COATED)	156	
2	SH-N402L	#4 BENT BAR (LEVEL II, DUAL COATED)	245	
3	SH-N403L	#4 HAIRPIN (LEVEL II, DUAL COATED)	126	
4	SH-N404L	#4 BENT BAR (LEVEL II, DUAL COATED)	8	
5	SH-N405L	#4 BENT BAR (LEVEL II, DUAL COATED)	178	
6	SH-N406L	#4 BENT BAR (LEVEL II, DUAL COATED)	89	
7	SH-N407L	#4 BENT BAR (LEVEL II, DUAL COATED)	12	
8		#4 x 8'-0" (LVL. II, DUAL COATED)	18	
9				
10		#5 x 6'-11 1/2" (LVL. II, DUAL COATED)	16	
11		#5 x 7'-4" (LVL. II, DUAL COATED)	16	
12		#5 x 8'-0" (LVL. II, DUAL COATED)	238	
13		#5 x 6'-0" (W/ (1) 2'-6" STAGGERED LAP) (LVL. II, DUAL COATED)	24	
14				
15	SH-N601L	#6 BENT BAR (LEVEL II, DUAL COATED)	4	
16	SH-N602L	#6 BENT BAR (LEVEL II, DUAL COATED)	12	
17				
18				
19	MK-N1	BRG. P 3/4" x 1'-0 1/4" x 1'-4" W/ ANCHORS (GALV.)	2	
20	MK-N4	MODIFIED UNIVERSAL 4APR DECK FORM HANGER 45" (GALV.)	15	
21	MK-N5	DAYTON 1/2" F-42 LOOP FERRULE INSERT (GALV.)	15	
22		SET OF (4) 0.60" x 270 KSI STRAND LIFTING LOOPS	4	
23				
24				
25				

2-11-14 ADD C.I.P. FORMING INSERTS

APPROVAL STAMP:

J.P. CARRARA & SONS INC.
Precast & Prestress Manufacturer
2404 OASE STR., MIDDLEBURY, VERMONT 05753 Phone: (802)388-6361 Fax: (802)388-9010

T. BUCK CONSTRUCTION
CONTRACTOR
AUBURN, MAINE

STATE OF VERMONT AGENCY OF TRANSPORTATION
COUNTY OF ADDISON

DATE: OCT. 9, 2013

SCALE: NOTED

TOWN OF MIDDLEBURY
ROUTE NO. VT 125, EAST MIDDLEBURY GORGE
BRIDGE NO.: 13 PROJECT NO.: RS 0174(8)

CHKD: DFTM: B.L.

JOB NO: 23411-013

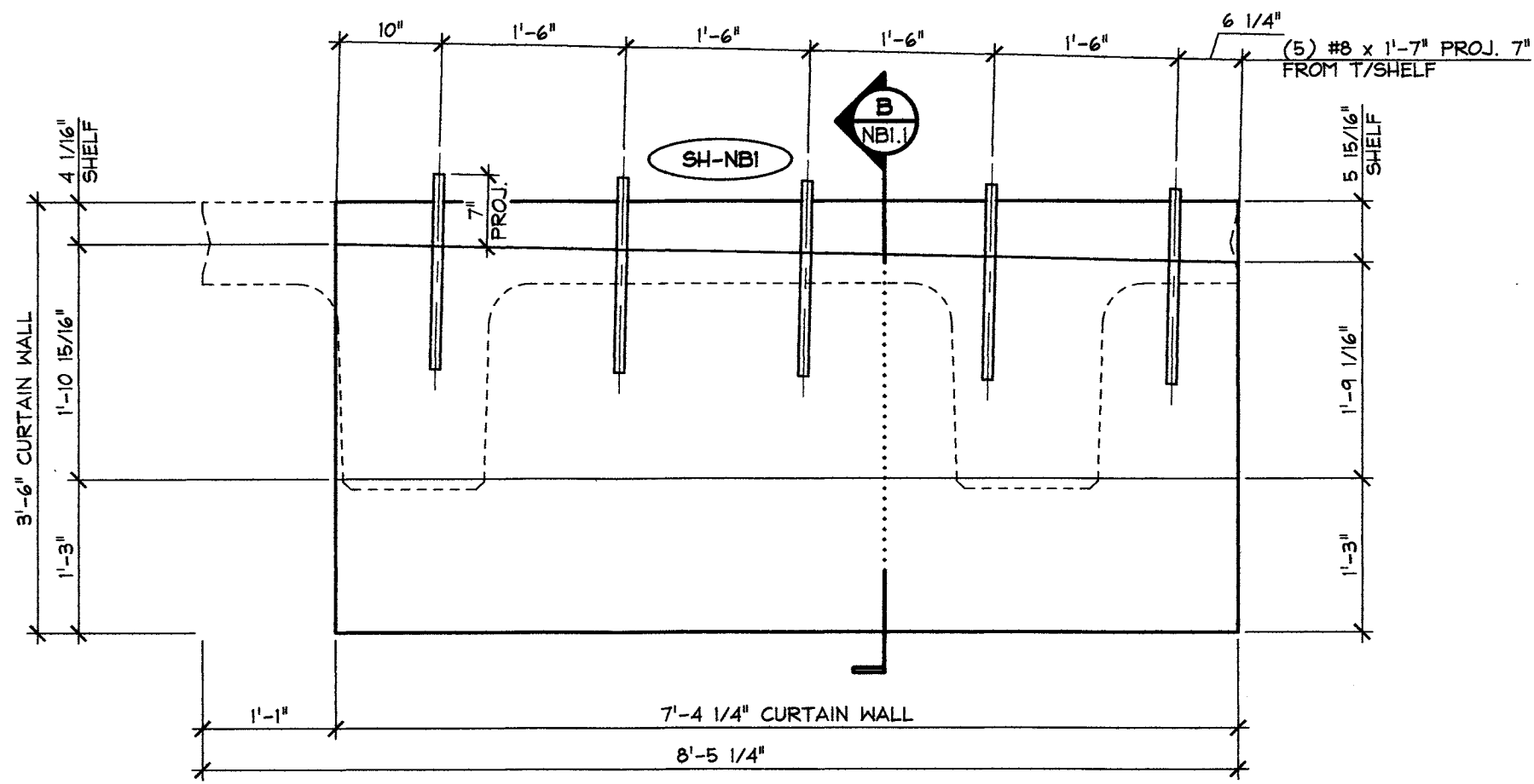
PRESTRESSED NEXT BEAM
PLANS & SECTION

DWG. NO: NB4

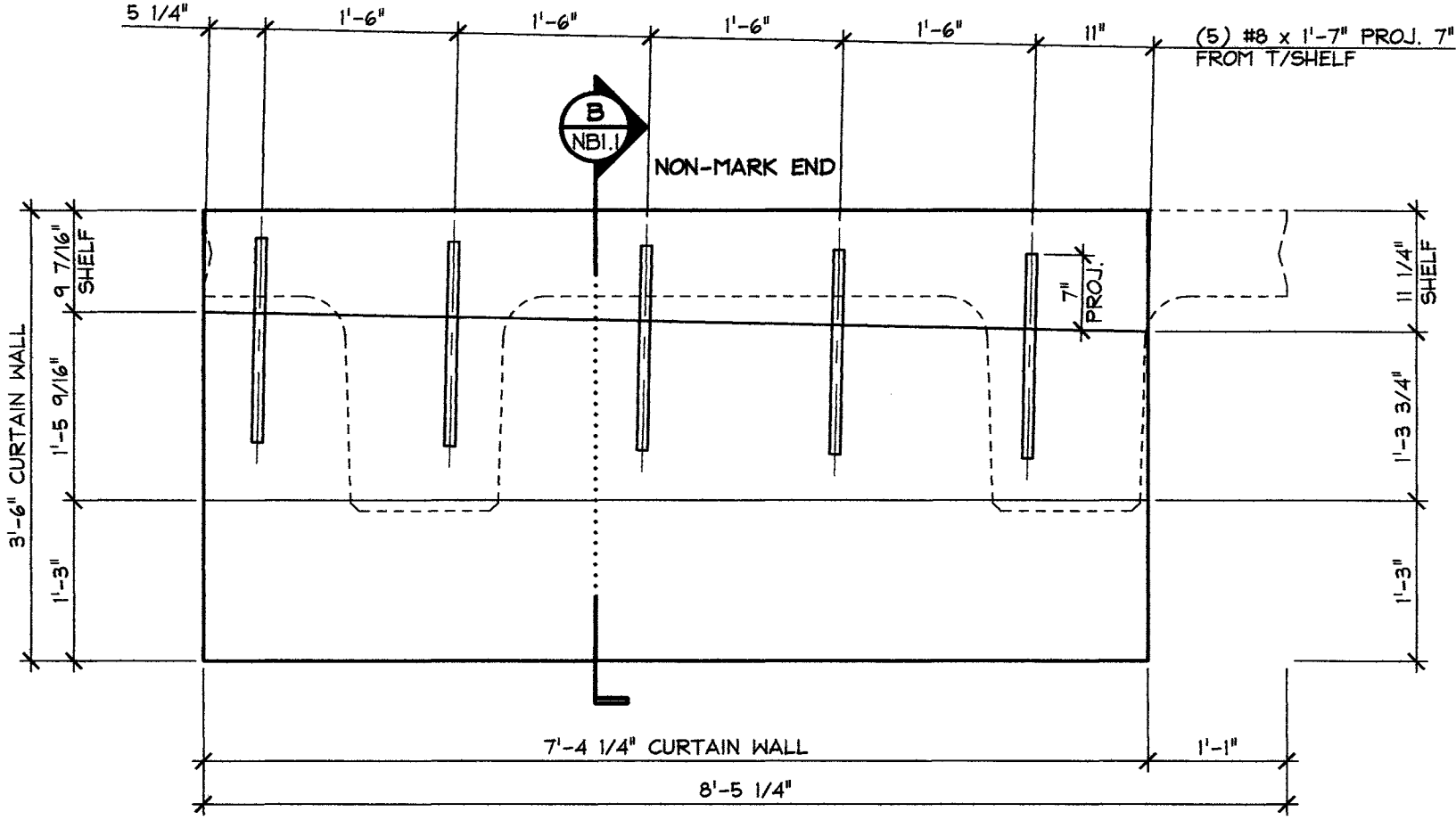
SUBMITTED

FEB 12 2014

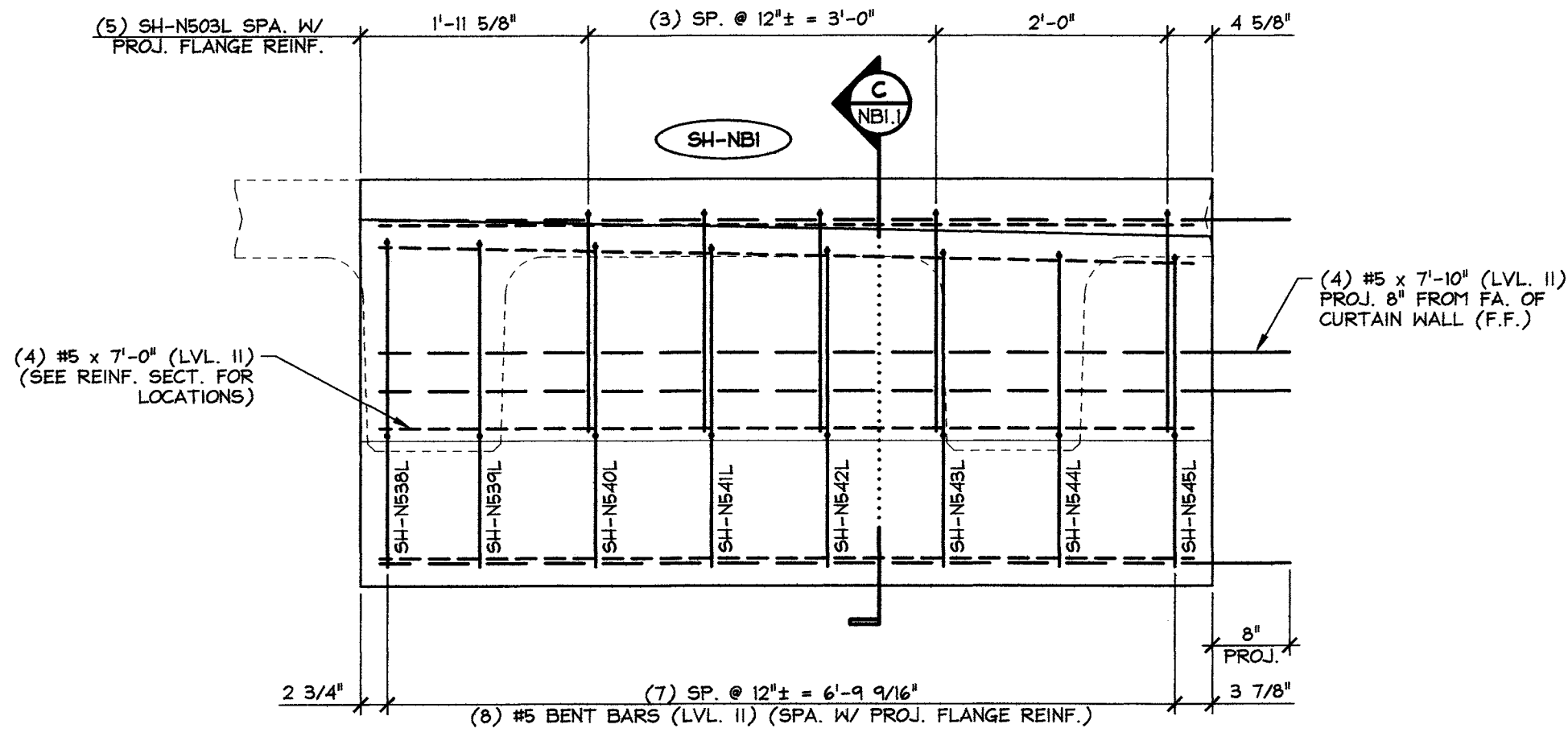
J.P. CARRARA & SONS, INC.
MIDDLEBURY, VT 05753



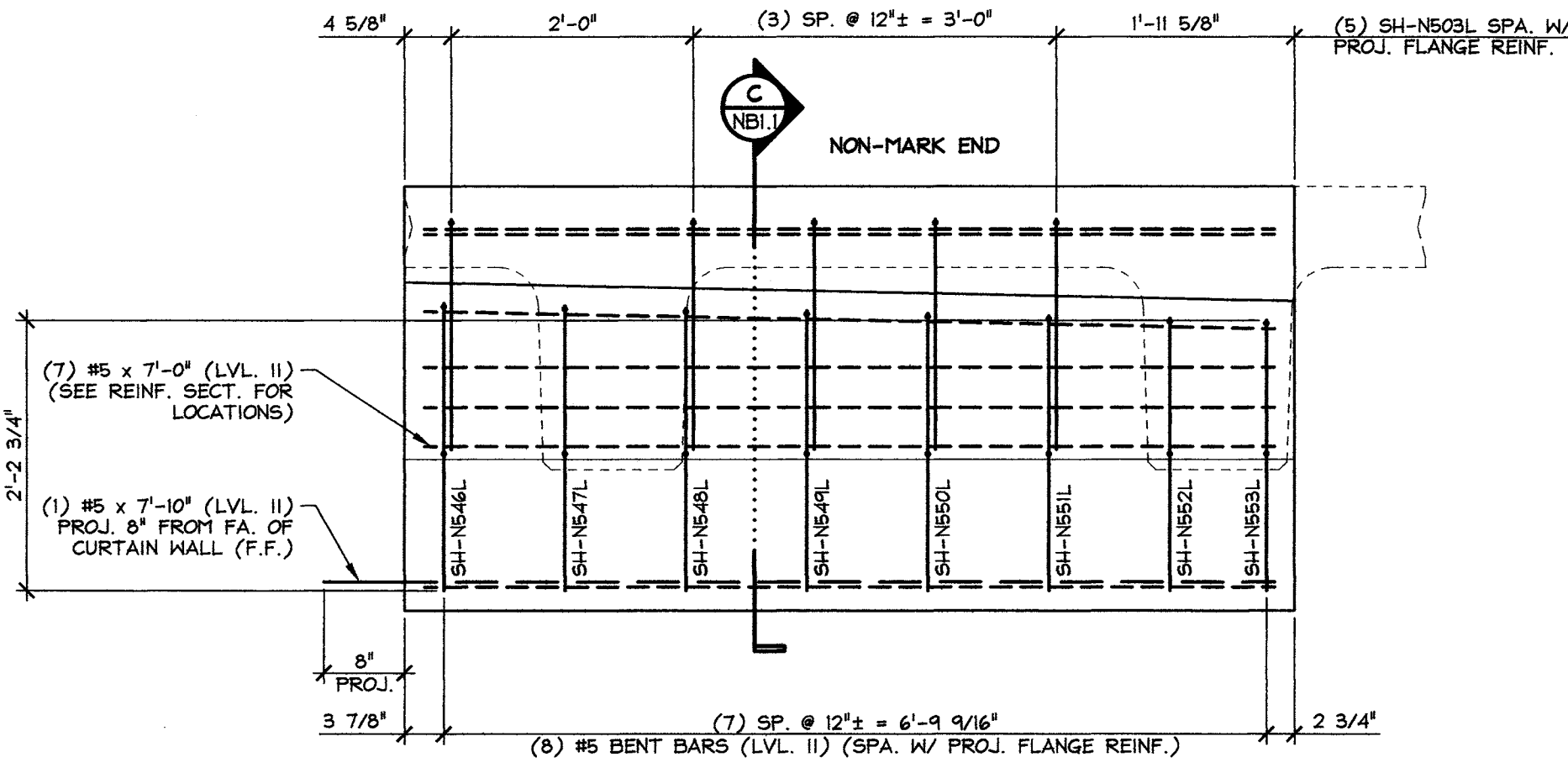
1 CURTAIN WALL DIMENSIONAL ELEVATION
NB4.1 VOL.: 1.86 cy
 WT.: 3.77 T 3/4\" = 1'-0\"



3 CURTAIN WALL DIMENSIONAL ELEVATION
NB4.1 VOL.: 1.93 cy
 WT.: 3.92 T 3/4\" = 1'-0\"



2 CURTAIN WALL DIMENSIONAL ELEVATION
NB4.1 3/4\" = 1'-0\"



4 CURTAIN WALL DIMENSIONAL ELEVATION
NB4.1 3/4\" = 1'-0\"

45.87 T = NEXT BEAM
 3.77 T = CURTAIN WALL (MARK END)
 3.92 T = CURTAIN WALL (NON-MARK END)
 53.6 T = TOTAL BEAM WT.

SUBMITTED
 FEB 12 2014
 J.P. CARRARA & SONS, INC.
 MIDDLEBURY, VT 05753

MARK: SH-NBI QTY.: 1

MATERIAL LIST / CURTAIN WALL				
ITEM	MARK	DESCRIPTION	QTY./CURTAIN WALL	
			MARK END	NON-MARK END
1	SH-N503L	#5 BENT BAR (LEVEL II, DUAL COATED)	5	5
2	SH-N538L	#5 BENT BAR (LEVEL II, DUAL COATED)	1	
3	SH-N539L	#5 BENT BAR (LEVEL II, DUAL COATED)	1	
4	SH-N540L	#5 BENT BAR (LEVEL II, DUAL COATED)	1	
5	SH-N541L	#5 BENT BAR (LEVEL II, DUAL COATED)	1	
6	SH-N542L	#5 BENT BAR (LEVEL II, DUAL COATED)	1	
7	SH-N543L	#5 BENT BAR (LEVEL II, DUAL COATED)	1	
8	SH-N544L	#5 BENT BAR (LEVEL II, DUAL COATED)	1	
9	SH-N545L	#5 BENT BAR (LEVEL II, DUAL COATED)	1	
10	SH-N546L	#5 BENT BAR (LEVEL II, DUAL COATED)		1
11	SH-N547L	#5 BENT BAR (LEVEL II, DUAL COATED)		1
12	SH-N548L	#5 BENT BAR (LEVEL II, DUAL COATED)		1
13	SH-N549L	#5 BENT BAR (LEVEL II, DUAL COATED)		1
14	SH-N550L	#5 BENT BAR (LEVEL II, DUAL COATED)		1
15	SH-N551L	#5 BENT BAR (LEVEL II, DUAL COATED)		1
16	SH-N552L	#5 BENT BAR (LEVEL II, DUAL COATED)		1
17	SH-N553L	#5 BENT BAR (LEVEL II, DUAL COATED)		1
18		#5 x 7'-0\" (LVL. II, DUAL COATED)	4	7
19		#5 x 7'-10\" (LVL. II, DUAL COATED)	4	1
20				
21		#8 x 1'-7\" (LEVEL II, DUAL COATED)	5	5
22				
23				
24				
25				

APPROVAL STAMP:

J.P. CARRARA & SONS INC.
 Precast & Prestress Manufacturer
2404 OASE ST. MIDDLEBURY, VERMONT 05753 Phone: (802) 388-6361 Fax: (802) 388-9010

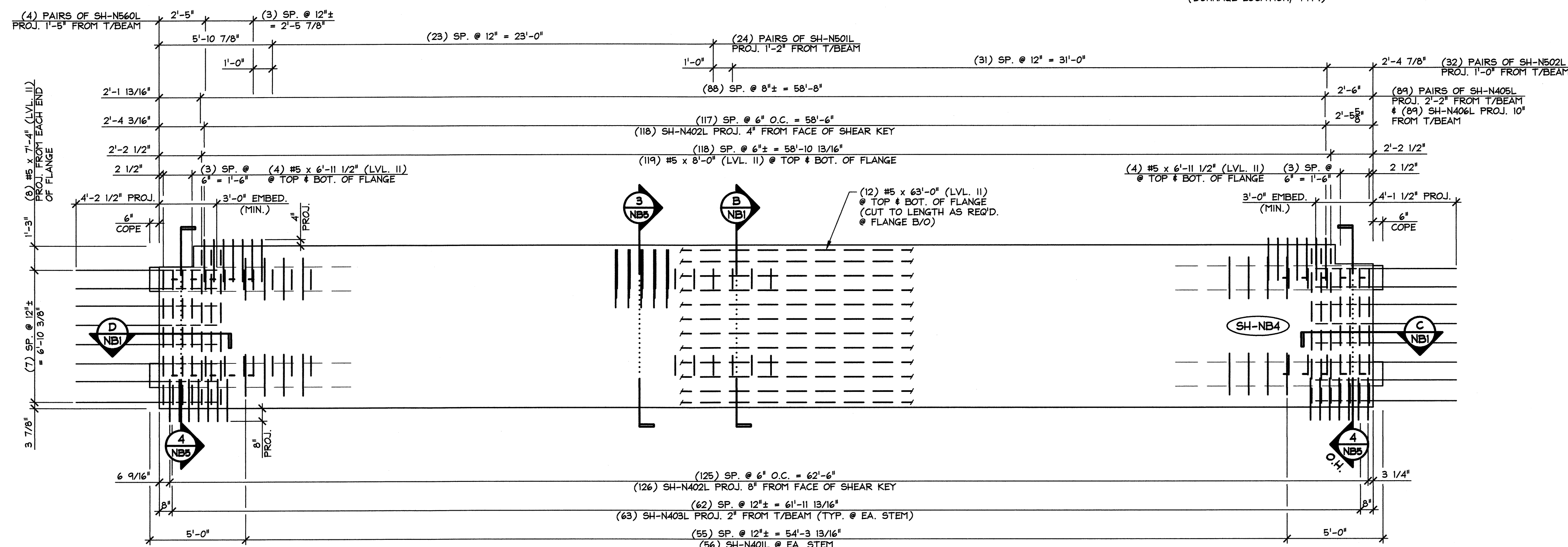
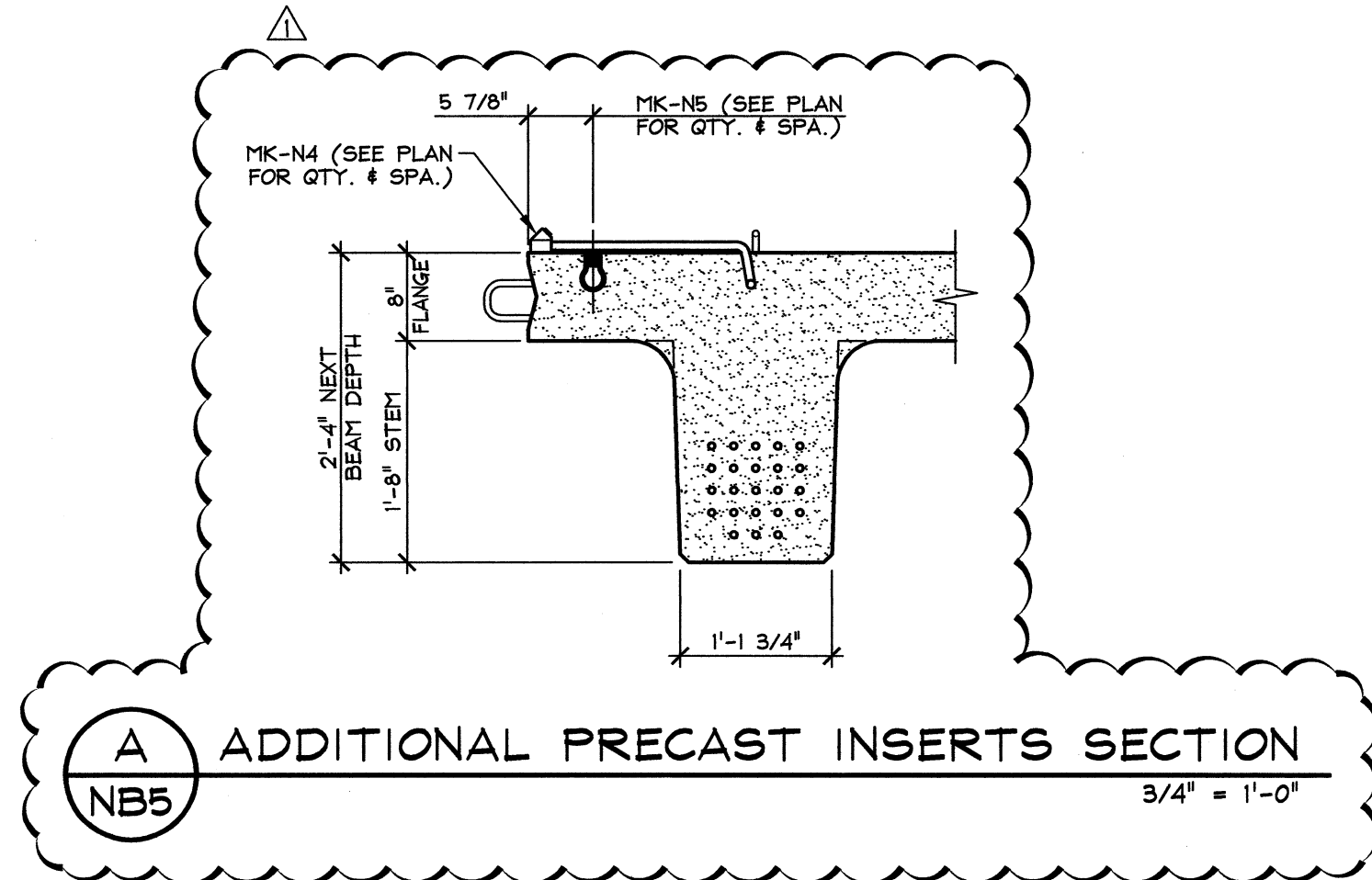
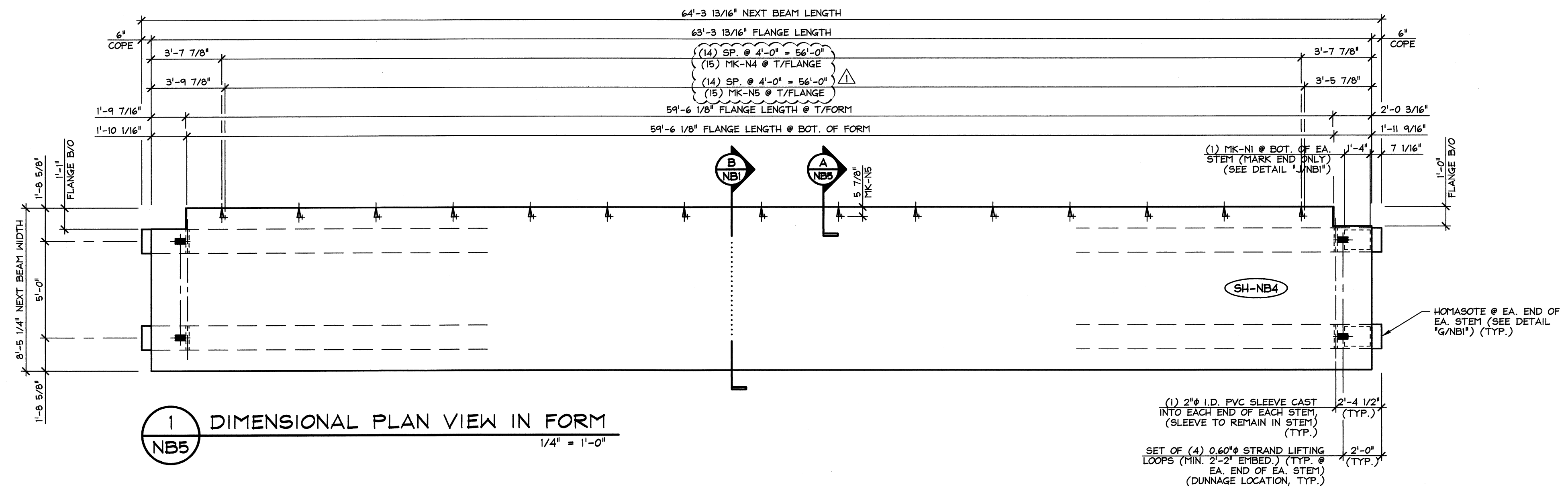
T. BUCK CONSTRUCTION
 CONTRACTOR
 AUBURN, MAINE

STATE OF VERMONT AGENCY OF TRANSPORTATION
 COUNTY OF ADDISON

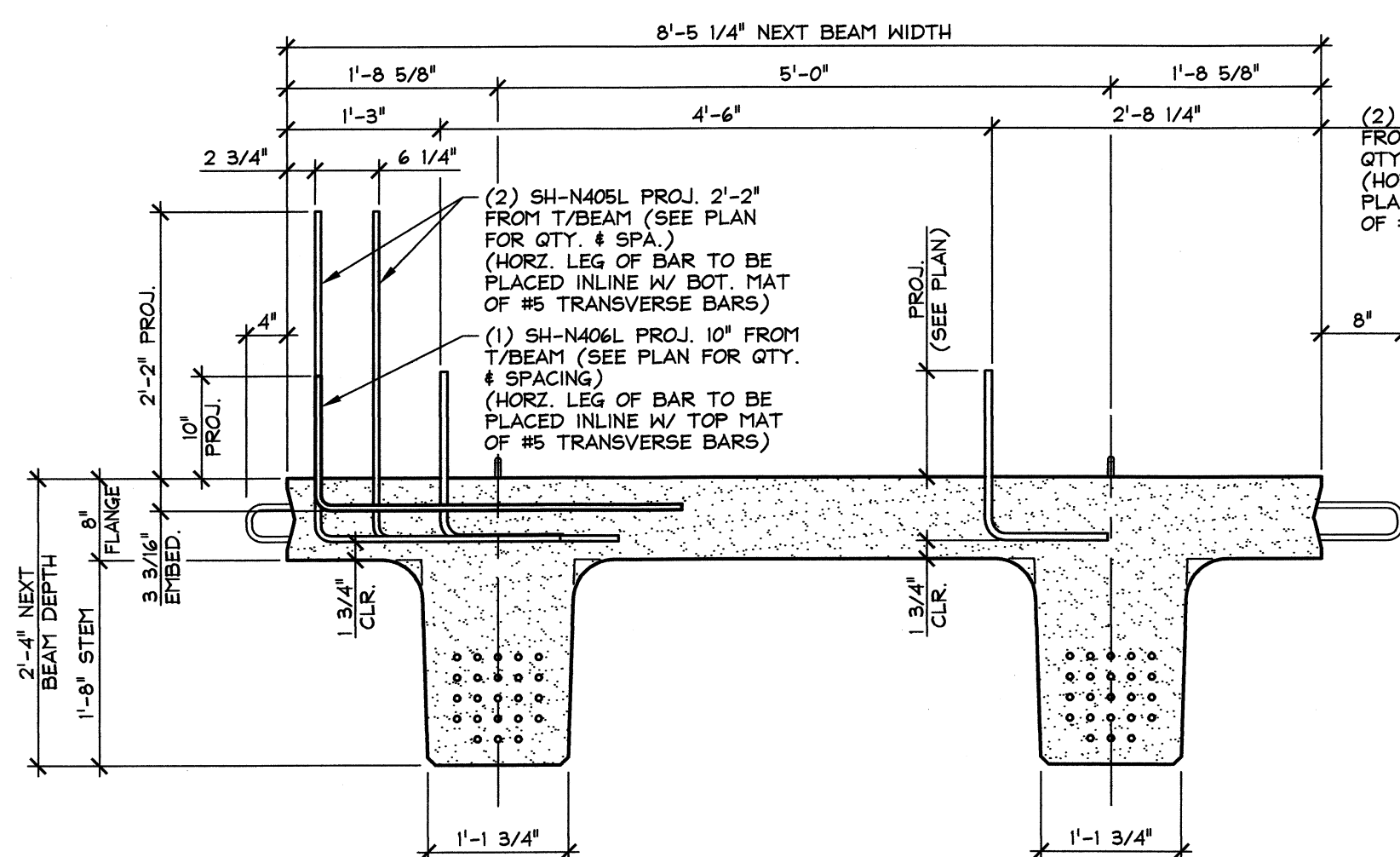
DATE: OCT. 9, 2013
 SCALE: NOTED
 CHKD: DFTM: B.L.
 JOB NO: 23411-013

TOWN OF MIDDLEBURY
 ROUTE NO. VT 125, EAST MIDDLEBURY GORGE
 BRIDGE NO.: 13 PROJECT NO.: RS 0174(8)

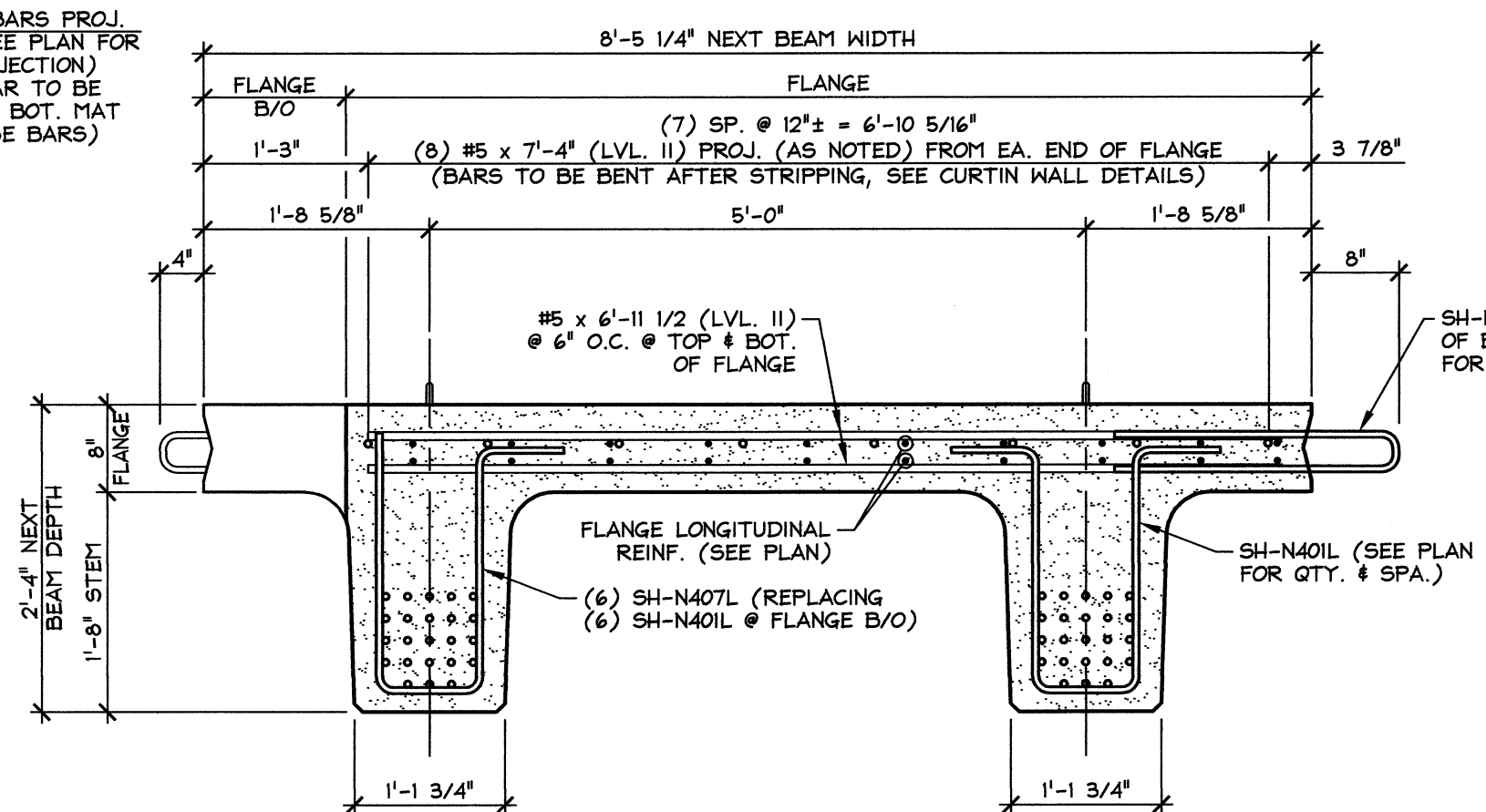
PRECAST CURTAIN WALL DETAILS
 DWG. NO: NB4.1



2 REINFORCING PLAN VIEW IN FORM
NB5
SEE CURTAIN WALL DETAILS FOR PROJECTING
BAR BENDING & PROJECTING STRAND BENDING
1/4\" = 1'-0\"



3 ADDITIONAL COMPOSITE REINFORCING SECTION
NB5
3/4\" = 1'-0\"



4 BEAM END REINFORCING SECTION
NB5
SEE SECTION \"B/NB1\" & REINFORCING
PLAN FOR ADDITIONAL INFORMATION
3/4\" = 1'-0\"

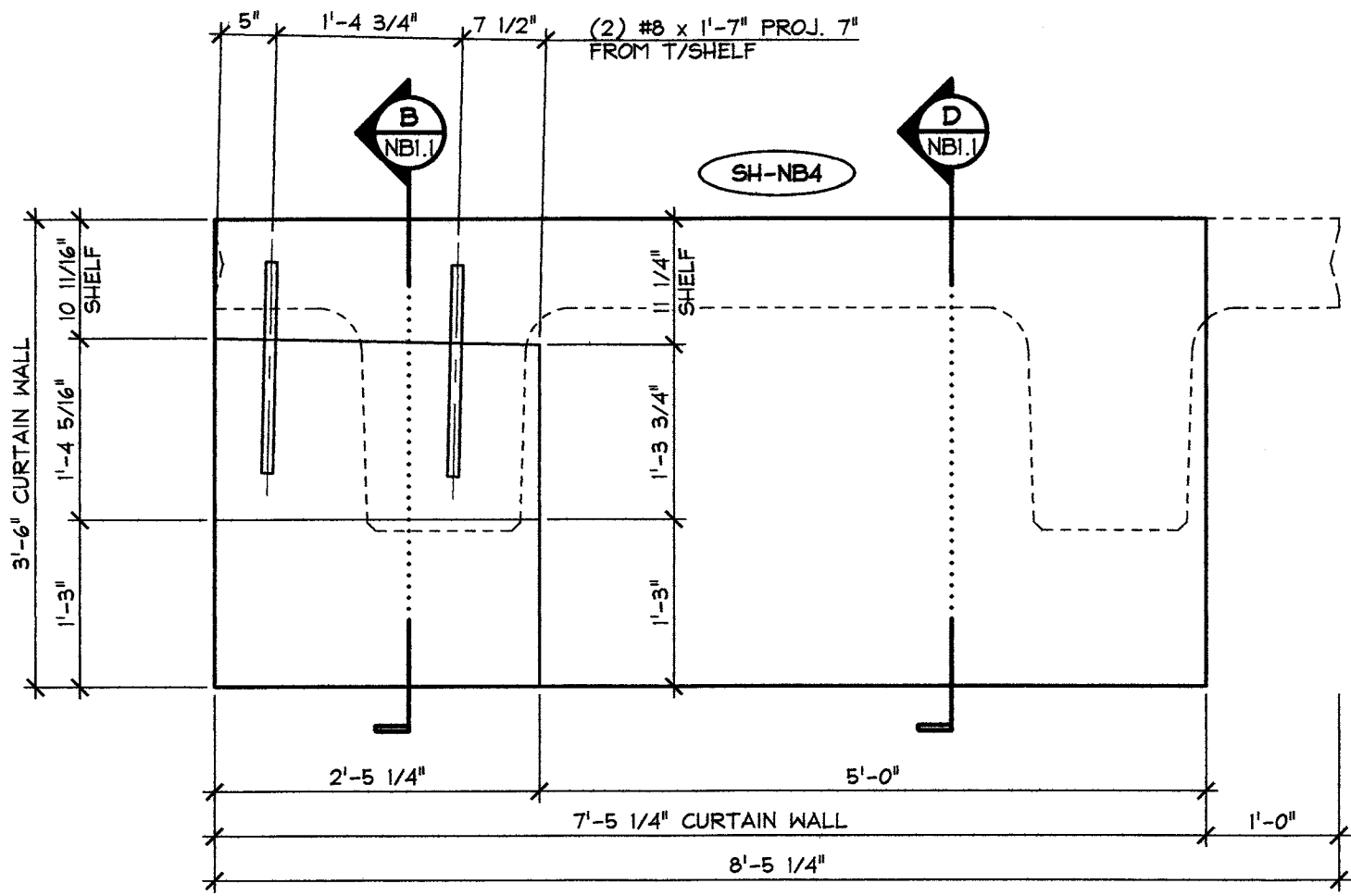
2-11-14 ADD C.I.P. FORMING INSERTS

APPROVAL STAMP:

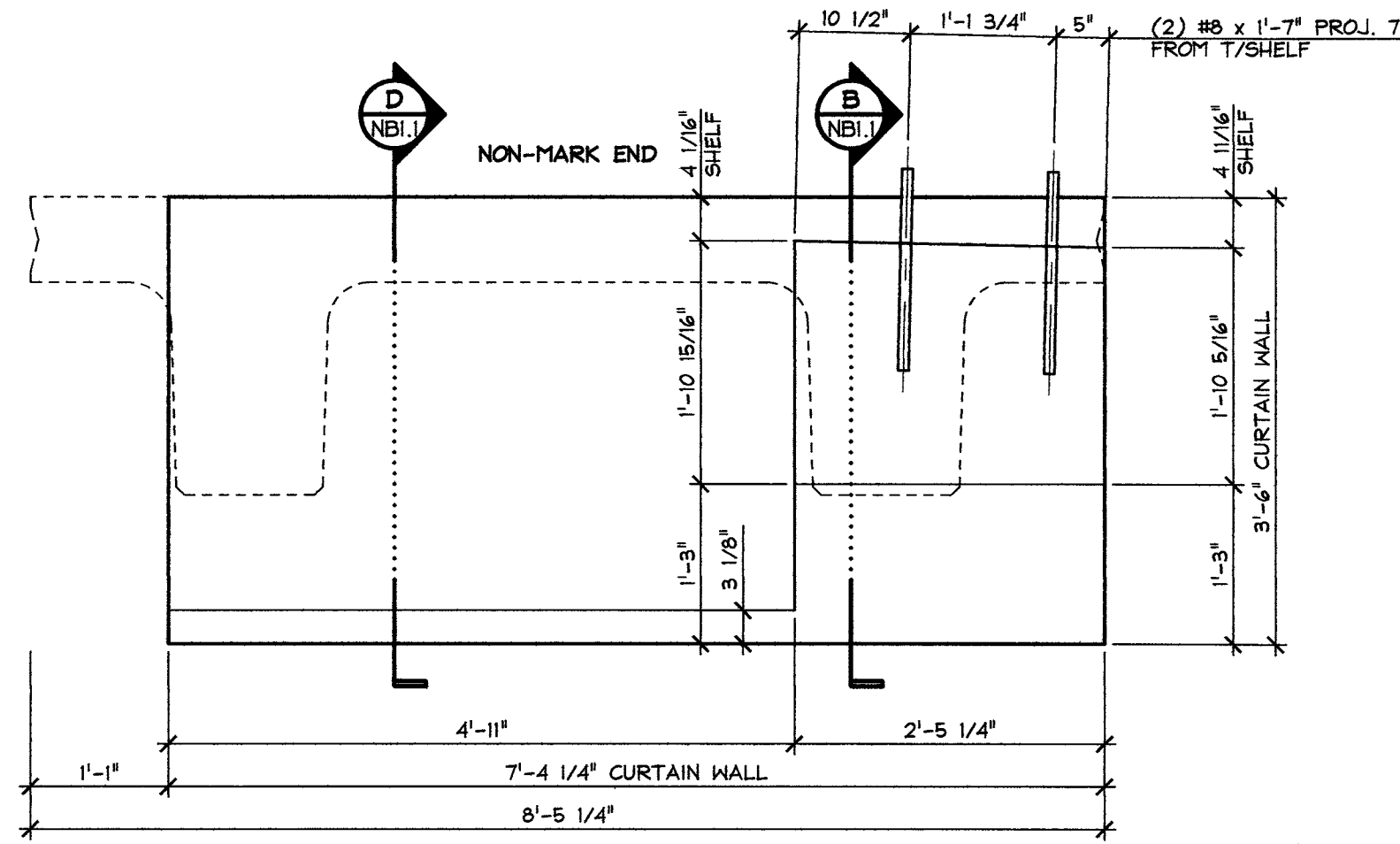
J.P. CARRARA & SONS INC. Precast & Prestress Manufacturer 2464 GAGE STR., MIDDLEBURY, VERMONT 05753 Phone: (802)388-6361 Fax: (802)388-8010		T. BUCK CONSTRUCTION CONTRACTOR AUBURN, MAINE	
STATE OF VERMONT AGENCY OF TRANSPORTATION COUNTY OF ADDISON		DATE: OCT. 9, 2013	
		SCALE: NOTED	
TOWN OF MIDDLEBURY ROUTE NO. VT 125, EAST MIDDLEBURY GORGE BRIDGE NO.: 13 PROJECT NO.: RS 0174(8)		CHKD: DFTM: B.L.	
PRESTRESSED NEXT BEAM PLANS & SECTION		JOB NO: 23411-013	
		DWG. NO: NB5	

SUBMITTED
FEB 12 2014
J. P. CARRARA & SONS, INC.
MIDDLEBURY, VT 05753

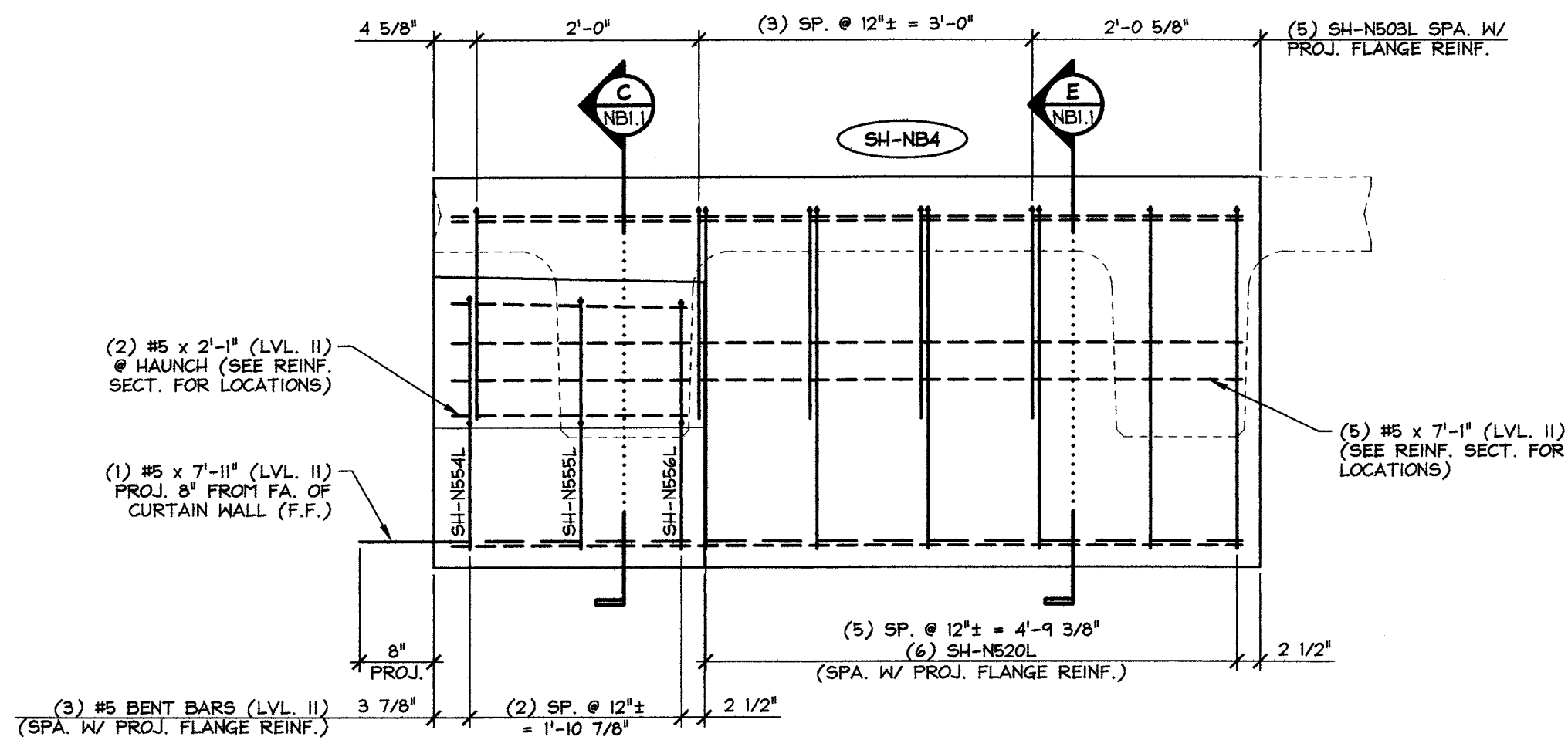
MARK: SH-NB4	QTY.: 1	WT.: 45.87 T	VOL.: 22.65 cy
MATERIAL LIST / NEXT BEAM			
ITEM	MARK	DESCRIPTION	QTY.
1	SH-N401L	#4 BENT BAR (LEVEL II, DUAL COATED)	156
2	SH-N402L	#4 BENT BAR (LEVEL II, DUAL COATED)	244
3	SH-N403L	#4 HAIRPIN (LEVEL II, DUAL COATED)	126
4	SH-N404L	#4 BENT BAR (LEVEL II, DUAL COATED)	8
5	SH-N405L	#4 BENT BAR (LEVEL II, DUAL COATED)	178
6	SH-N406L	#4 BENT BAR (LEVEL II, DUAL COATED)	89
7	SH-N407L	#4 BENT BAR (LEVEL II, DUAL COATED)	12
8		#4 x 8'-0\" (LVL. II, DUAL COATED)	18
9	SH-N501L	#5 BENT BAR (LEVEL II, DUAL COATED)	48
10	SH-N502L	#5 BENT BAR (LEVEL II, DUAL COATED)	64
11	SH-N560L	#5 BENT BAR (LEVEL II, DUAL COATED)	8
12		#5 x 6'-11 1/2\" (LVL. II, DUAL COATED)	16
13		#5 x 7'-4\" (LVL. II, DUAL COATED)	16
14		#5 x 8'-0\" (LVL. II, DUAL COATED)	238
15		#5 x 63'-0\" (W/ (1) 2'-6\" STAGGERED LAP) (LVL. II, DUAL COATED)	24
16	SH-N601L	#6 BENT BAR (LEVEL II, DUAL COATED)	4
17	SH-N602L	#6 BENT BAR (LEVEL II, DUAL COATED)	12
18			
19			
20	MK-N1	BRG. P. 3/4\" x 1'-0 1/4\" x 1'-4\" W/ ANCHORS (GALV.)	2
21	MK-N4	MODIFIED UNIVERSAL 4APR DECK FORM HANGER 45\" (GALV.)	15
22	MK-N5	DAYTON 1/2\" F-42 LOOP FERRULE INSERT (GALV.)	15
23		SET OF (4) 0.60\" x 270 KSI STRAND LIFTING LOOPS	4
24			
25			



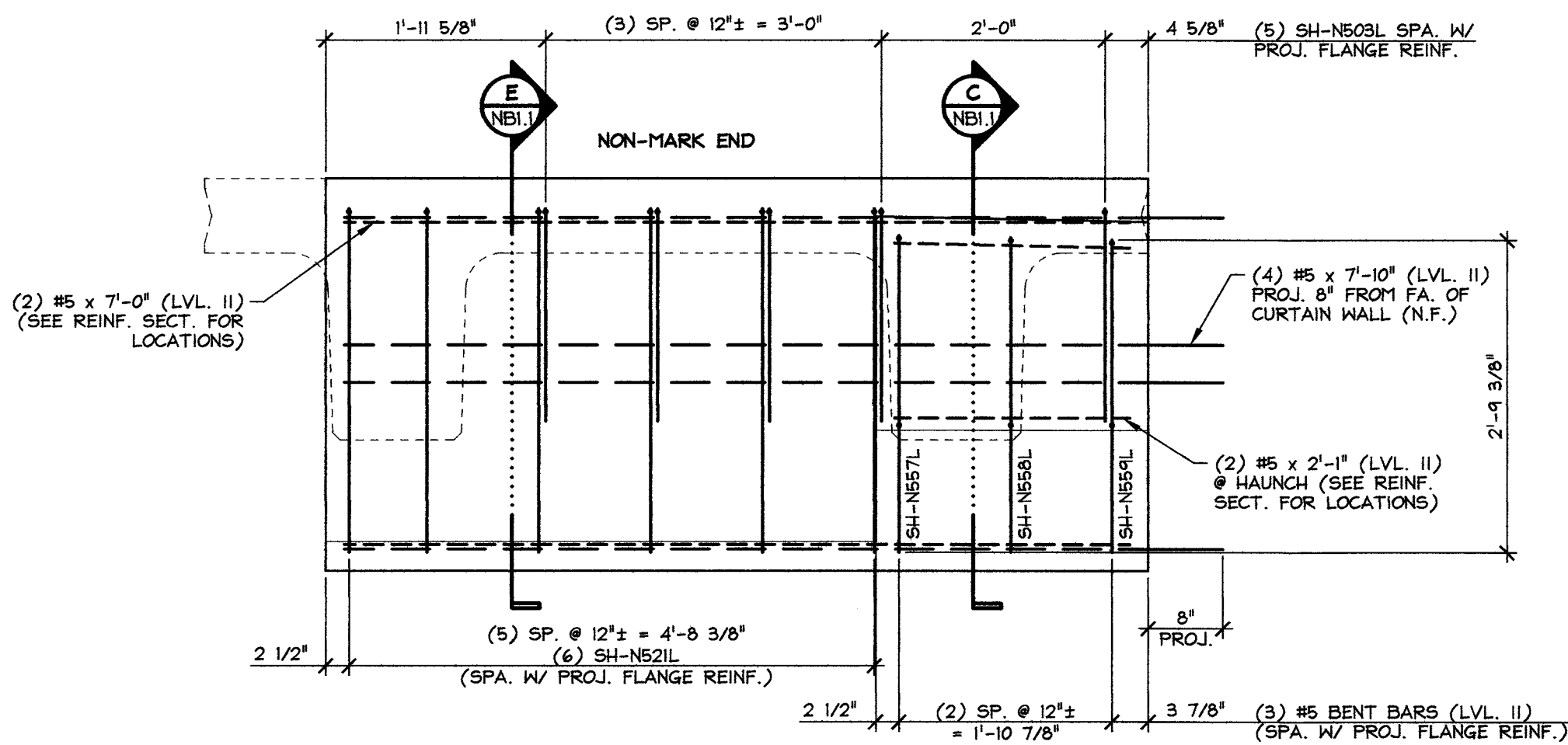
1 CURTAIN WALL DIMENSIONAL ELEVATION
NB5.1 VOL.: 1.26 cy
WT.: 2.55 T 3/4" = 1'-0"



3 CURTAIN WALL DIMENSIONAL ELEVATION
NB5.1 VOL.: 1.54 cy
WT.: 3.12 T 3/4" = 1'-0"



2 CURTAIN WALL DIMENSIONAL ELEVATION
NB5.1 3/4" = 1'-0"



4 CURTAIN WALL DIMENSIONAL ELEVATION
NB5.1 3/4" = 1'-0"

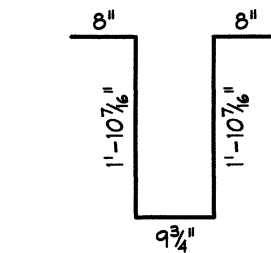
45.87 T = NEXT BEAM
2.55 T = CURTAIN WALL (MARK END)
3.12 T = CURTAIN WALL (NON-MARK END)
51.5 T = TOTAL BEAM WT.

MARK: SH-NB4 QTY.: 1

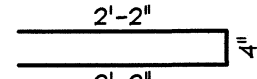
MATERIAL LIST / CURTAIN WALL				
ITEM	MARK	DESCRIPTION	QTY./CURTAIN WALL	
			MARK END	NON-MARK END
1	SH-N503L	#5 BENT BAR (LEVEL II, DUAL COATED)	5	5
2	SH-N520L	#5 BENT BAR (LEVEL II, DUAL COATED)	6	
3	SH-N521L	#5 BENT BAR (LEVEL II, DUAL COATED)		6
4	SH-N554L	#5 BENT BAR (LEVEL II, DUAL COATED)	1	
5	SH-N555L	#5 BENT BAR (LEVEL II, DUAL COATED)	1	
6	SH-N556L	#5 BENT BAR (LEVEL II, DUAL COATED)	1	
7	SH-N557L	#5 BENT BAR (LEVEL II, DUAL COATED)		1
8	SH-N558L	#5 BENT BAR (LEVEL II, DUAL COATED)		1
9	SH-N559L	#5 BENT BAR (LEVEL II, DUAL COATED)		1
10		#5 x 2'-1" (LVL. II, DUAL COATED)	2	2
11		#5 x 7'-0" (LVL. II, DUAL COATED)		2
12		#5 x 7'-1" (LVL. II, DUAL COATED)	5	
13		#5 x 7'-10" (LVL. II, DUAL COATED)		4
14		#5 x 7'-11" (LVL. II, DUAL COATED)	1	
15				
16		#8 x 1'-7" (LEVEL II, DUAL COATED)	2	2
17				
18				
19				
20				

SUBMITTED
FEB 12 2014
J.P. CARRARA & SONS, INC.
MIDDLEBURY, VT 05753

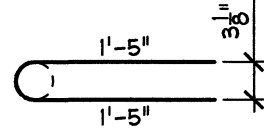
APPROVAL STAMP:	J.P. CARRARA & SONS INC. Precast & Prestress Manufacturer 2444 CASE STR., MIDDLEBURY, VERMONT 05753 Phone: (802)388-6361 Fax: (802)388-9010		T. BUCK CONSTRUCTION CONTRACTOR AUBURN, MAINE	
	STATE OF VERMONT AGENCY OF TRANSPORTATION COUNTY OF ADDISON		DATE: OCT. 9, 2013	
			SCALE: NOTED	
	TOWN OF MIDDLEBURY ROUTE NO. VT 125, EAST MIDDLEBURY GORGE BRIDGE NO.: 13 PROJECT NO.: RS 0174(B)		CHKD:	DFTM: B.L.
			JOB NO: 23411-013	
	PRECAST CURTAIN WALL DETAILS		DWG. NO: NB5.1	



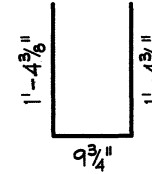
SH-N401L
#4 BENT BAR
LEVEL II (DUAL COATED)
USE 2"Ø (50 mm) PIN
(648) REQ'D.



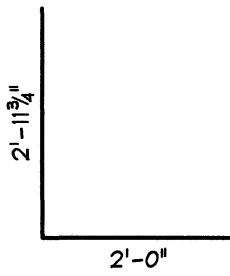
SH-N402L
#4 BENT BAR
LEVEL II (DUAL COATED)
USE 2"Ø (70 mm) PIN
(948) REQ'D.



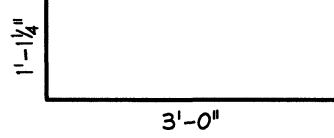
SH-N403L
#4 HAIRPIN
LEVEL II (DUAL COATED)
USE 2"Ø (50 mm) PIN
(504) REQ'D.



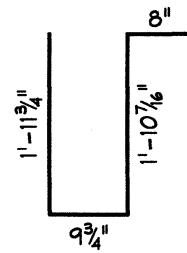
SH-N404L
#4 BENT BAR
LEVEL II (DUAL COATED)
USE 2"Ø (50 mm) PIN
(32) REQ'D.



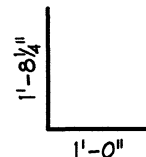
SH-N405L
#4 BENT BAR
LEVEL II (DUAL COATED)
USE 2"Ø (50 mm) PIN
(356) REQ'D.



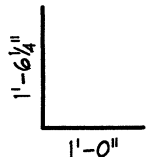
SH-N406L
#4 BENT BAR
LEVEL II (DUAL COATED)
USE 2"Ø (50 mm) PIN
(176) REQ'D.



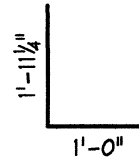
SH-N407L
#4 BENT BAR
LEVEL II (DUAL COATED)
USE 2"Ø (50 mm) PIN
(24) REQ'D.



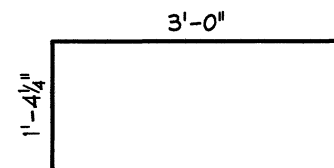
SH-N501L
#5 BENT BAR
LEVEL II (DUAL COATED)
USE 2 3/4"Ø (70 mm) PIN
(48) REQ'D.



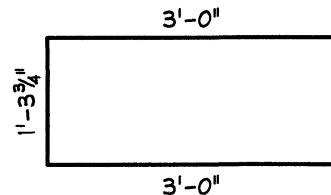
SH-N502L
#5 BENT BAR
LEVEL II (DUAL COATED)
USE 2 3/4"Ø (70 mm) PIN
(64) REQ'D.



SH-N560L
#5 BENT BAR
LEVEL II (DUAL COATED)
USE 2 3/4"Ø (70 mm) PIN
(8) REQ'D.

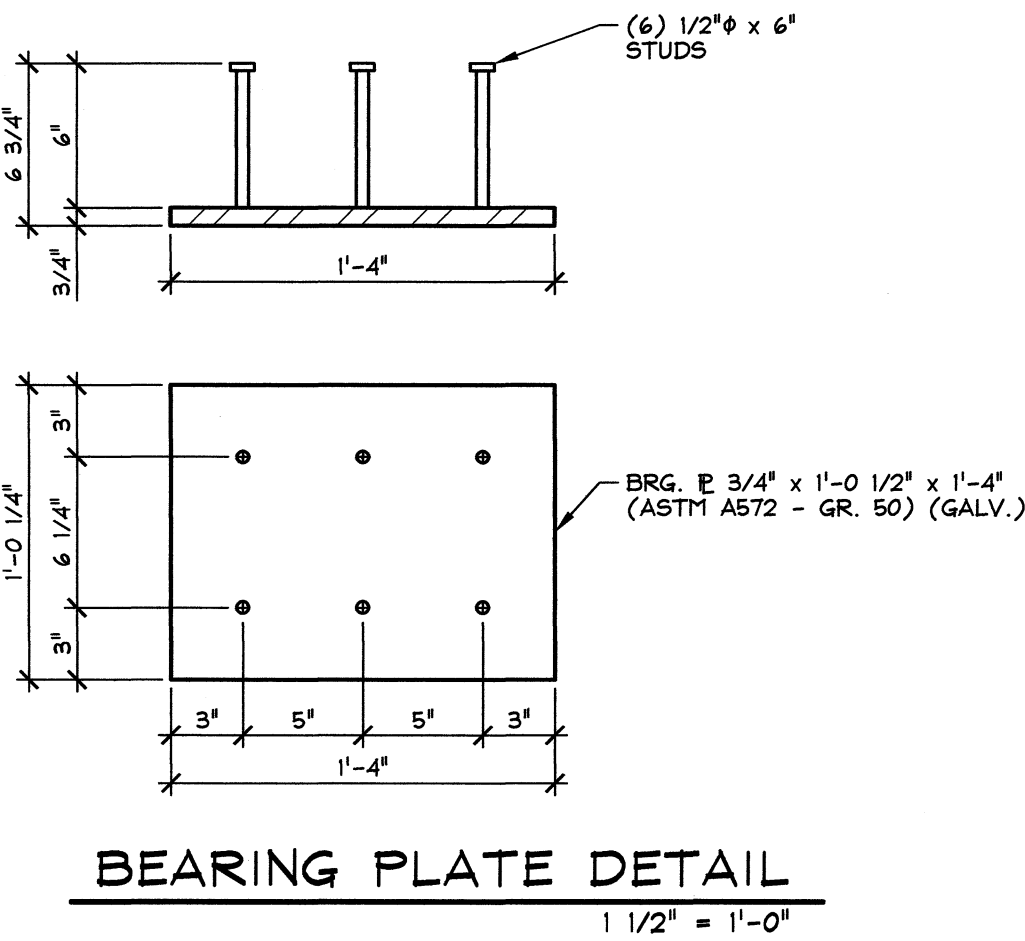


SH-N601L
#6 BENT BAR
LEVEL II (DUAL COATED)
USE 4"Ø (100 mm) PIN
(16) REQ'D.



SH-N602L
#6 BENT BAR
LEVEL II (DUAL COATED)
USE 4"Ø (100 mm) PIN
(48) REQ'D.

MISCELLANEOUS MATERIALS				
ITEM	MARK	QTY.	DESCRIPTION	REMARKS
1		72	#4 x 8'-0" (LVL. II, DUAL COATED)	
2				
3				
4		32	#5 x 6'-11 1/2" (LVL. II, DUAL COATED)	
5		64	#5 x 7'-4" (LVL. II, DUAL COATED)	
6		984	#5 x 8'-0" (LVL. II, DUAL COATED)	
7		96	#5 x 63'-0" (W/ (1) 2'-6" STAGGERED LAP) (LVL. II, DUAL COATED)	
8				
9				
10				
11				
12	MK-N1	8	BRG. P 3/4" x 1'-0 1/4" x 1'-4" W/ ANCHORS (GALV.)	SEE DETAIL, THIS SHEET
13	MK-N2	18	DAYTON 7/8"Ø F-42 LOOP FERRULE INSERT (GALV.)	
14	MK-N3	6	DAYTON 1"Ø F-42 LOOP FERRULE INSERT (STAINLESS STEEL)	
15	MK-N4	30	MODIFIED UNIVERSAL 4APR DECK FORM HANGER 45" (GALV.) (20" LG.)	
16	MK-N5	30	DAYTON 1/2"Ø F-42 LOOP FERRULE INSERT (GALV.)	
17		16	SET OF (4) 0.60"Ø x 270 KSI STRAND LIFTING LOOPS	
18				
19				
20				

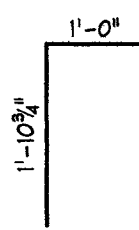


2-11-14 REVISED AS NOTED

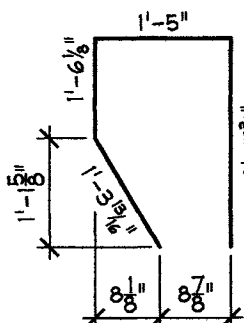
APPROVAL STAMP:	J.P. CARRARA & SONS INC. Precast & Prestress Manufacturer 2464 CASE STR, MIDDLEBURY, VERMONT 05753 Phone:(802)388-6361 Fax:(802)388-9010		T. BUCK CONSTRUCTION CONTRACTOR AUBURN, MAINE	
	STATE OF VERMONT AGENCY OF TRANSPORTATION COUNTY OF ADDISON		DATE: OCT. 9, 2013	
			SCALE: NOTED	
	TOWN OF MIDDLEBURY ROUTE NO. VT 125, EAST MIDDLEBURY GORGE BRIDGE NO.: 13 PROJECT NO.: RS 0174(B)		CHKD:	DFTM: B.L.
			JOB NO: 23411-013	
	NEXT BEAM MATERIALS LIST		DWG. NO: NBM1	

SUBMITTED
FEB 12 2014
J.P. CARRARA & SONS, INC.
MIDDLEBURY, VT 05753

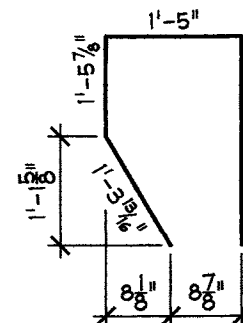
MISCELLANEOUS MATERIALS				
ITEM	MARK	QTY.	DESCRIPTION	REMARKS
1		4	#5 x 2'-1" (LVL. II, DUAL COATED)	
2		13	#5 x 7'-0" (LVL. II, DUAL COATED)	
3		5	#5 x 7'-1" (LVL. II, DUAL COATED)	
4		9	#5 x 7'-10" (LVL. II, DUAL COATED)	
5		1	#5 x 7'-11" (LVL. II, DUAL COATED)	
6		12	#5 x 8'-1" (LVL. II, DUAL COATED)	
7		20	#5 x 8'-11" (LVL. II, DUAL COATED)	
8				
9		36	#8 x 1'-7" (LVL. II, DUAL COATED)	
10				



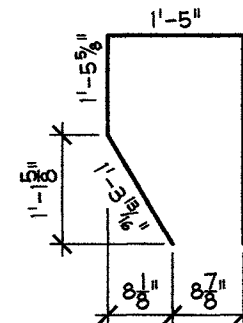
SH-N503L
#5 BENT BAR
LEVEL II (DUAL COATED)
USE 2 3/4" (70 mm) PIN
(1) REQ'D.



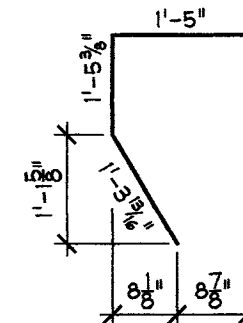
SH-N504L
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LEVEL II (DUAL COATED)
USE 2 3/4" (70 mm) PIN
(1) REQ'D.



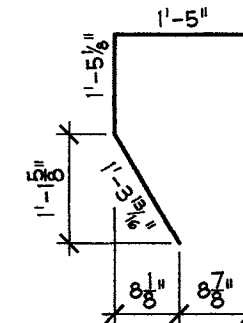
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LEVEL II (DUAL COATED)
USE 2 3/4" (70 mm) PIN
(1) REQ'D.



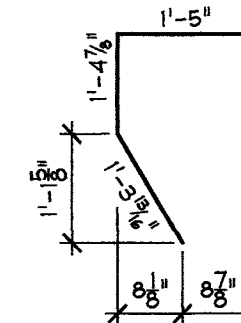
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LEVEL II (DUAL COATED)
USE 2 3/4" (70 mm) PIN
(1) REQ'D.



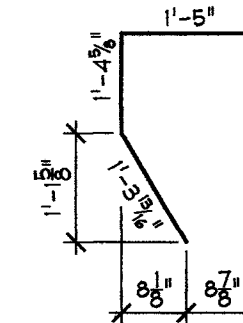
SH-N507L
#5 BENT BAR
LEVEL II (DUAL COATED)
USE 2 3/4" (70 mm) PIN
(1) REQ'D.



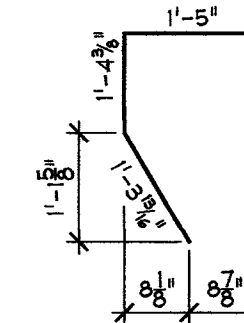
SH-N508L
#5 BENT BAR
LEVEL II (DUAL COATED)
USE 2 3/4" (70 mm) PIN
(1) REQ'D.



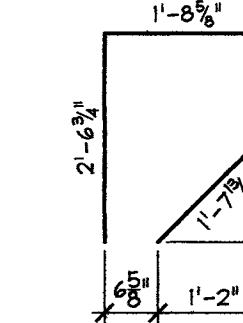
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LEVEL II (DUAL COATED)
USE 2 3/4" (70 mm) PIN
(1) REQ'D.



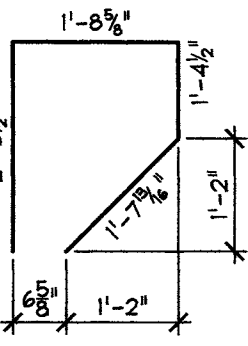
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LEVEL II (DUAL COATED)
USE 2 3/4" (70 mm) PIN
(1) REQ'D.



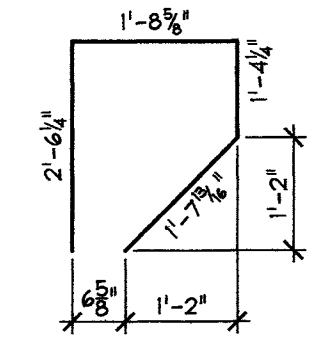
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LEVEL II (DUAL COATED)
USE 2 3/4" (70 mm) PIN
(1) REQ'D.



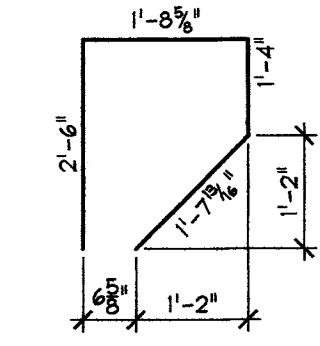
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LEVEL II (DUAL COATED)
USE 2 3/4" (70 mm) PIN
(1) REQ'D.



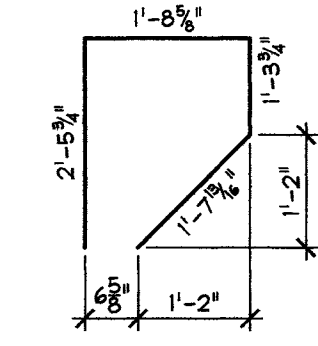
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LEVEL II (DUAL COATED)
USE 2 3/4" (70 mm) PIN
(1) REQ'D.



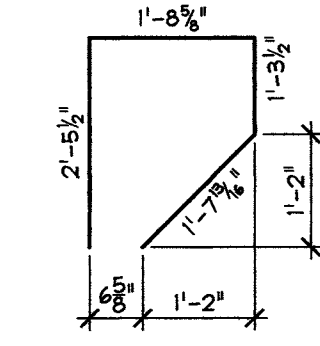
SH-N514L
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LEVEL II (DUAL COATED)
USE 2 3/4" (70 mm) PIN
(1) REQ'D.



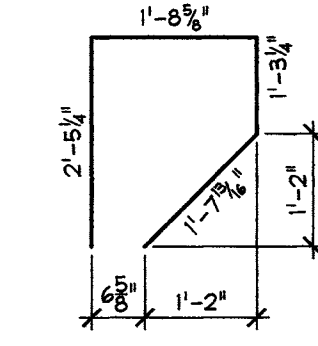
SH-N515L
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LEVEL II (DUAL COATED)
USE 2 3/4" (70 mm) PIN
(1) REQ'D.



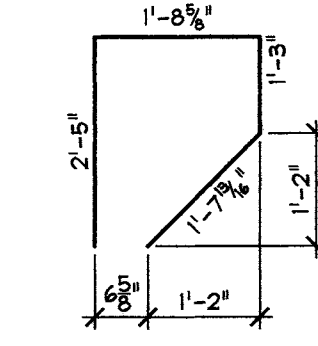
SH-N516L
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LEVEL II (DUAL COATED)
USE 2 3/4" (70 mm) PIN
(1) REQ'D.



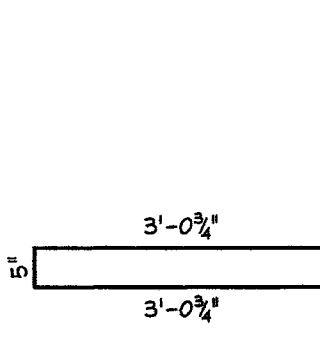
SH-N517L
#5 BENT BAR
LEVEL II (DUAL COATED)
USE 2 3/4" (70 mm) PIN
(1) REQ'D.



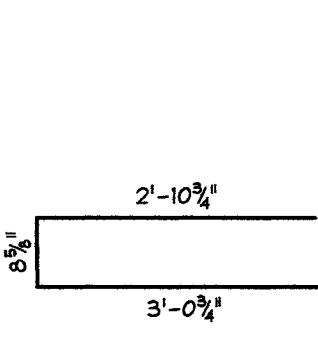
SH-N518L
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LEVEL II (DUAL COATED)
USE 2 3/4" (70 mm) PIN
(1) REQ'D.



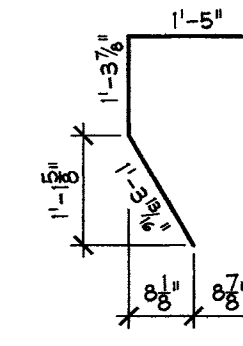
SH-N519L
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LEVEL II (DUAL COATED)
USE 2 3/4" (70 mm) PIN
(1) REQ'D.



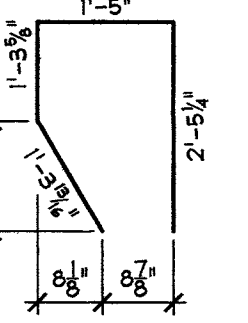
SH-N520L
#5 BENT BAR
LEVEL II (DUAL COATED)
USE 2 3/4" (70 mm) PIN
(6) REQ'D.



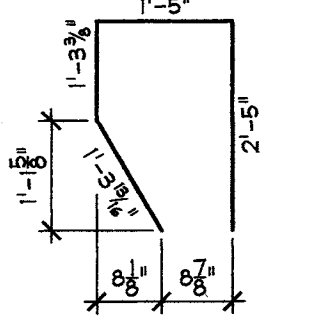
SH-N521L
#5 BENT BAR
LEVEL II (DUAL COATED)
USE 2 3/4" (70 mm) PIN
(6) REQ'D.



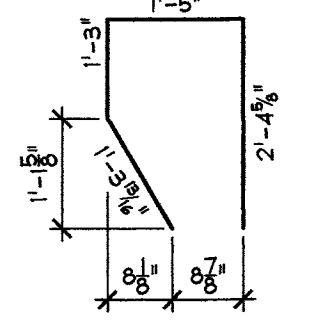
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LEVEL II (DUAL COATED)
USE 2 3/4" (70 mm) PIN
(1) REQ'D.



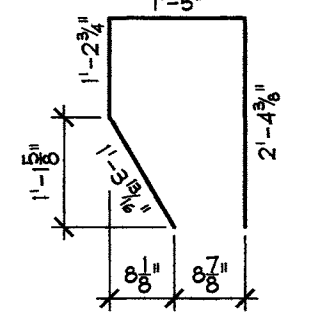
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LEVEL II (DUAL COATED)
USE 2 3/4" (70 mm) PIN
(1) REQ'D.



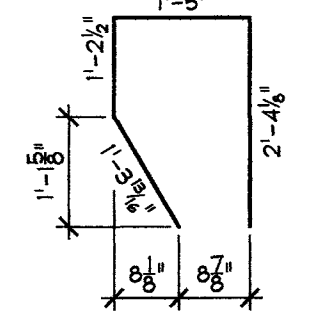
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LEVEL II (DUAL COATED)
USE 2 3/4" (70 mm) PIN
(1) REQ'D.



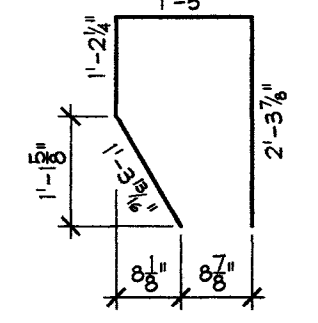
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LEVEL II (DUAL COATED)
USE 2 3/4" (70 mm) PIN
(1) REQ'D.



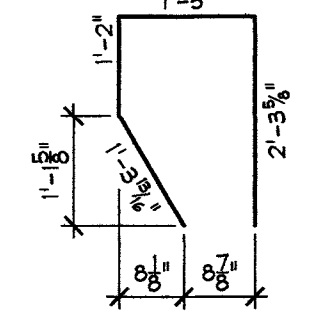
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LEVEL II (DUAL COATED)
USE 2 3/4" (70 mm) PIN
(1) REQ'D.



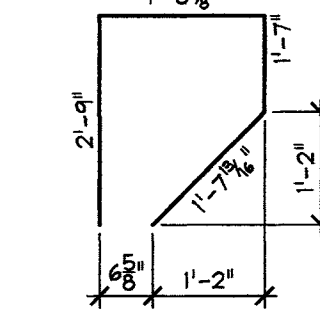
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LEVEL II (DUAL COATED)
USE 2 3/4" (70 mm) PIN
(1) REQ'D.



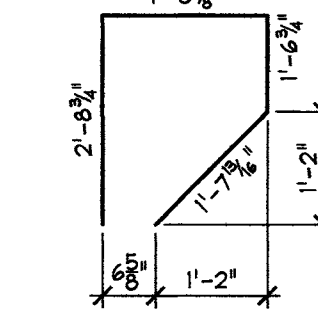
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LEVEL II (DUAL COATED)
USE 2 3/4" (70 mm) PIN
(1) REQ'D.



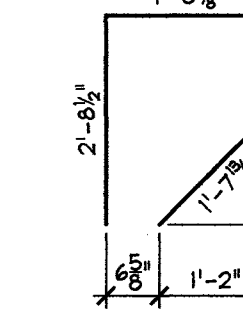
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LEVEL II (DUAL COATED)
USE 2 3/4" (70 mm) PIN
(1) REQ'D.



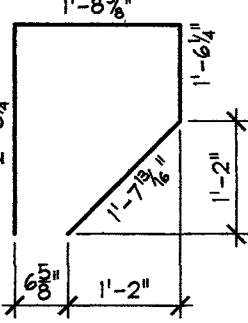
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LEVEL II (DUAL COATED)
USE 2 3/4" (70 mm) PIN
(1) REQ'D.



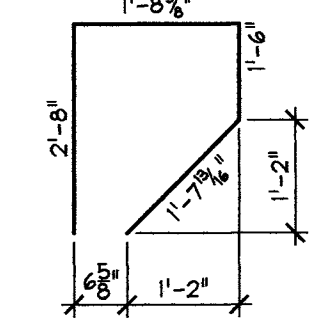
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LEVEL II (DUAL COATED)
USE 2 3/4" (70 mm) PIN
(1) REQ'D.



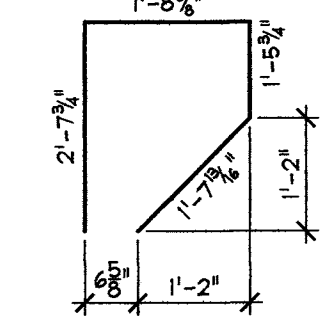
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LEVEL II (DUAL COATED)
USE 2 3/4" (70 mm) PIN
(1) REQ'D.



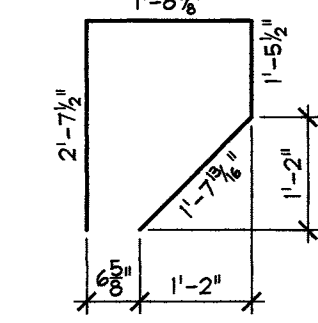
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LEVEL II (DUAL COATED)
USE 2 3/4" (70 mm) PIN
(1) REQ'D.



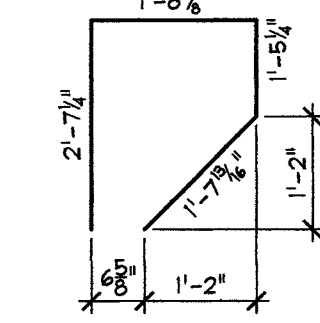
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LEVEL II (DUAL COATED)
USE 2 3/4" (70 mm) PIN
(1) REQ'D.



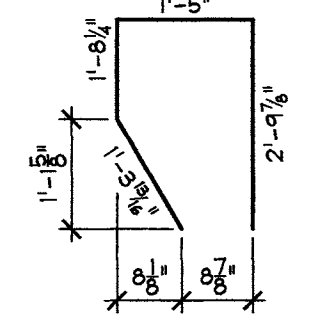
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LEVEL II (DUAL COATED)
USE 2 3/4" (70 mm) PIN
(1) REQ'D.



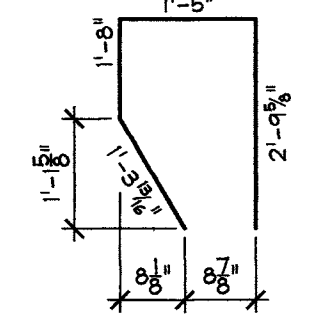
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LEVEL II (DUAL COATED)
USE 2 3/4" (70 mm) PIN
(1) REQ'D.



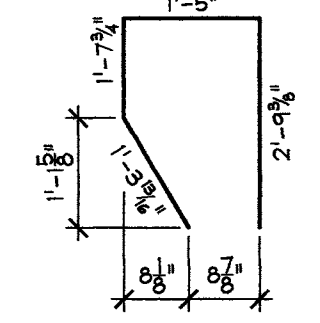
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LEVEL II (DUAL COATED)
USE 2 3/4" (70 mm) PIN
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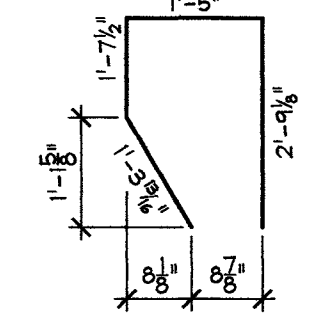
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LEVEL II (DUAL COATED)
USE 2 3/4" (70 mm) PIN
(1) REQ'D.



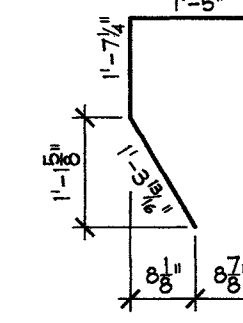
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USE 2 3/4" (70 mm) PIN
(1) REQ'D.



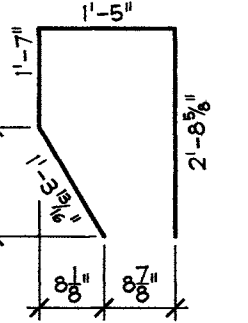
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LEVEL II (DUAL COATED)
USE 2 3/4" (70 mm) PIN
(1) REQ'D.



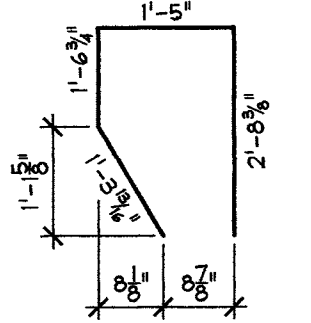
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USE 2 3/4" (70 mm) PIN
(1) REQ'D.



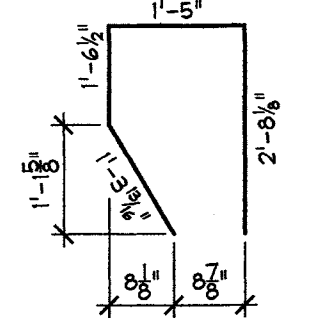
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LEVEL II (DUAL COATED)
USE 2 3/4" (70 mm) PIN
(1) REQ'D.



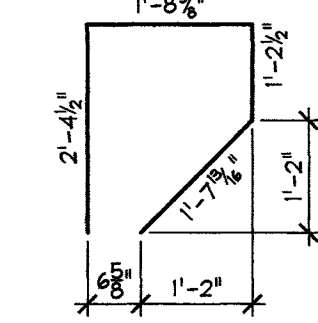
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USE 2 3/4" (70 mm) PIN
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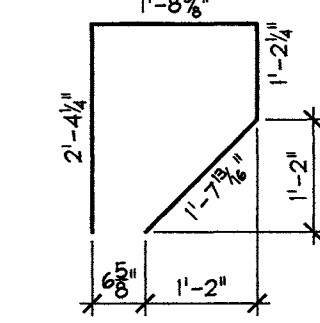
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LEVEL II (DUAL COATED)
USE 2 3/4" (70 mm) PIN
(1) REQ'D.



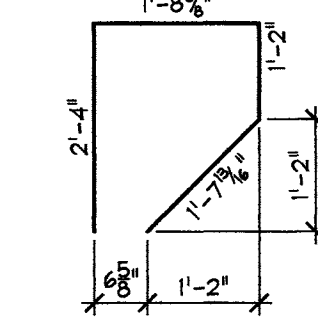
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LEVEL II (DUAL COATED)
USE 2 3/4" (70 mm) PIN
(1) REQ'D.



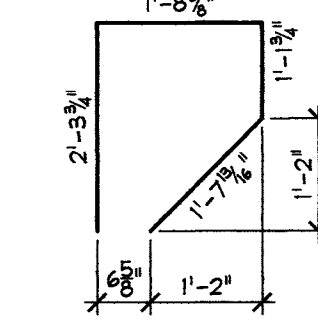
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LEVEL II (DUAL COATED)
USE 2 3/4" (70 mm) PIN
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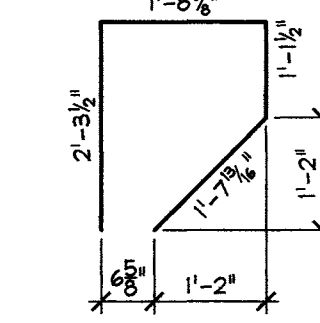
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LEVEL II (DUAL COATED)
USE 2 3/4" (70 mm) PIN
(1) REQ'D.



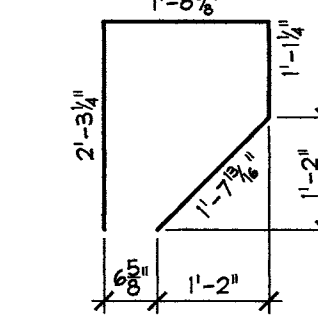
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LEVEL II (DUAL COATED)
USE 2 3/4" (70 mm) PIN
(1) REQ'D.



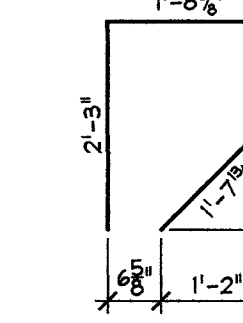
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LEVEL II (DUAL COATED)
USE 2 3/4" (70 mm) PIN
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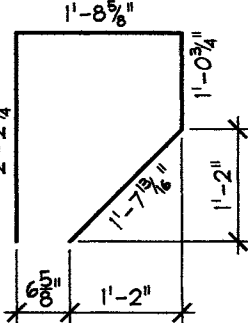
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LEVEL II (DUAL COATED)
USE 2 3/4" (70 mm) PIN
(1) REQ'D.



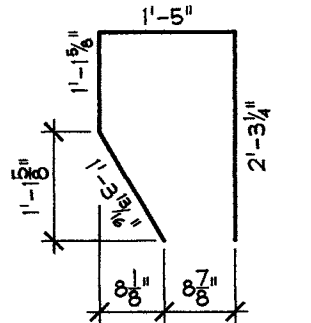
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LEVEL II (DUAL COATED)
USE 2 3/4" (70 mm) PIN
(1) REQ'D.



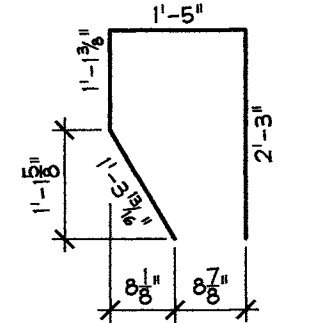
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LEVEL II (DUAL COATED)
USE 2 3/4" (70 mm) PIN
(1) REQ'D.



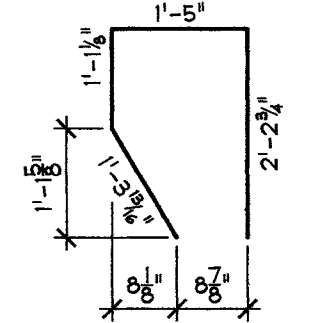
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LEVEL II (DUAL COATED)
USE 2 3/4" (70 mm) PIN
(1) REQ'D.



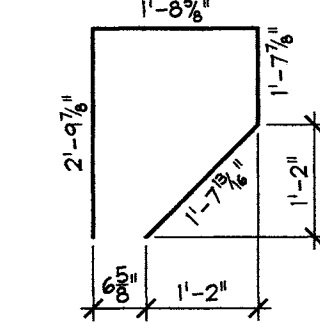
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#5 BENT BAR
LEVEL II (DUAL COATED)
USE 2 3/4" (70 mm) PIN
(1) REQ'D.



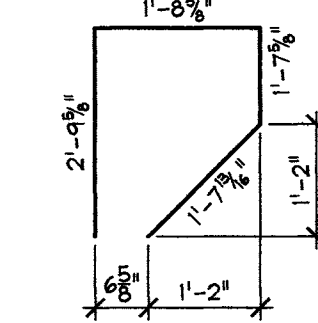
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LEVEL II (DUAL COATED)
USE 2 3/4" (70 mm) PIN
(1) REQ'D.



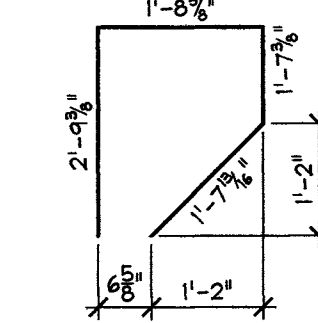
SH-N556L
#5 BENT BAR
LEVEL II (DUAL COATED)
USE 2 3/4" (70 mm) PIN
(1) REQ'D.



SH-N557L
#5 BENT BAR
LEVEL II (DUAL COATED)
USE 2 3/4" (70 mm) PIN
(1) REQ'D.



SH-N558L
#5 BENT BAR
LEVEL II (DUAL COATED)
USE 2 3/4" (70 mm) PIN
(1) REQ'D.



SH-N559L
#5 BENT BAR
LEVEL II (DUAL COATED)
USE 2 3/4" (70 mm) PIN
(1) REQ'D.

APPROVAL STAMP:

J.P. CARRARA & SONS INC.
Precast & Prestress Manufacturer
2444 CASE ST., MIDDLEBURY, VERMONT 05753 Phone: (802)388-6361 Fax: (802)388-9010

T. BUCK CONSTRUCTION
CONTRACTOR
AUBURN, MAINE

STATE OF VERMONT AGENCY OF TRANSPORTATION
COUNTY OF ADDISON

DATE: OCT. 9, 2013

SCALE: NOTED

TOWN OF MIDDLEBURY
ROUTE NO. VT 125, EAST MIDDLEBURY GORGE
BRIDGE NO.: 13 PROJECT NO.: RS 0174(8)

CHKD: DFTM: B.L.

JOB NO: 23411-013

CURTAIN WALL MATERIALS LIST

DWG. NO: NBM2

SUBMITTED
FEB 12 2014
J.P. CARRARA & SONS, INC.
MIDDLEBURY, VT 05753